

This catalog contains seven sections

- **General Information**
- **Multiconductor Cables**
- **Multipair Cables**
- **Commercial Data Cables**
- **Industrial Ethernet Cables**
- **Special Constructions**
- **Technical Information**

Tab sheets are provided for easy access to each section, and each tab is printed with a table of contents for that section. This will allow you to quickly search for specific cable applications. Each product section contains pages of part numbers that are similar in construction and application. Therefore, you may make quick product decisions.

If you know a specific Quabbin part number, you may locate it by referencing the **Part Number/Description/Locator** in this section. If you do not know a part number and wish to locate a specific construction, you should use the **Cable Finder** in this section. In addition, this General Information section also contains an explanation of the differences between actual, nominal, and minimum/maximum values on Page 2-A. Page 4-A details Quabbin's quality process and system.

Quabbin's Web Site

Quabbin Wire & Cable's web site is described on page 3-A. It is an electronic version of this catalog but it also contains volumes of additional technical data and application information. You will find complete product specifications, actual test reports, new product announcements, technical white papers, pdf versions of various brochures, and background information on Quabbin Wire.

From the web you may view or down-load a searchable pdf version of this catalog, or you may request a disk version from Quabbin's sales service department.

Quabbin occasionally receives questions from customers regarding the accuracy and consistency of published catalog data. These questions are usually due to inconsistent definitions of terminology for measurement terms. Below is a brief explanation of the nature of specifications and test data. The differences between *actual* test results, *nominal* values and *minimums* or *maximums* are discussed. Quabbin's right to change specifications and the possibility that some data may contain errors is also explained.

Specifications and Measured Values

All manufacturers realize that there will be some degree of variation in their product and in actual test values. If you performed any specific test on 20 random samples of the same cable, you would get 20 different "*actual*" values. A few test values would be relatively high, a few relatively low, and the rest clustered around some average or midpoint. This midpoint is generally referred to as the "*nominal*" value. Most technical specification data in this catalog should be considered to be nominal values; that is, some samples may vary above and some may vary below the published value.

A cable application that has a very specific test or measurement requirement (for example, a maximum diameter to fit within a connector) should be referred to Quabbin's sales or engineering departments. All *maximum* or *minimum* allowable requirements should be discussed to assure the normal product variation from the nominal value is acceptable.

This catalog also contains detailed information on individual part number listings and ratings for various industry requirements. Most people do not realize that UL, CSA, ICEA or other industry specifications usually set *minimum* performance requirements. For instance, consider a dielectric voltage breakdown test requirement of 1500 volts. A sample insulated wire that fails at 1490 volts is similar to a sample that fails at 50 volts. Both have failed the requirement. Conversely, a wire that passes 1500 volts but would fail at 1520 volts is as acceptable as one that would pass at 2500 volts. Both wires pass the minimum requirement, but obviously one provides much more safety margin in performance.

Quabbin Wire & Cable prides itself on the high performance margin of its products. You will see that many part numbers have dual or multiple ratings. Many of the electronic cables pass both the minimum fire resistant requirements (CL2, CM, CMR, etc.) and also have an appliance style listing (AWM). This combination

ensures that the cables are designed to exceed minimum requirements. Thus many Quabbin products both meet the minimum safety requirements, and can also be used in an OEM appliance or equivalent application.

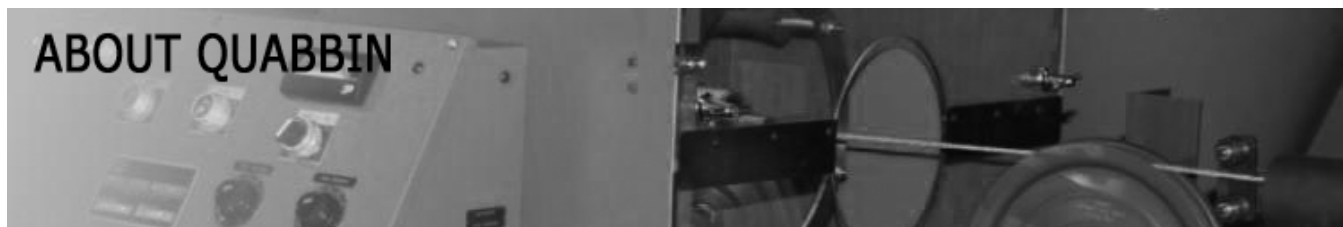
Changes in Specifications

Quabbin Wire & Cable's product line has expanded and changed over the years, both to meet our customer's applications and to comply with ongoing UL/CSA/NEC modifications. We have made every attempt to make this catalog, and the product data within it, as accurate and complete as possible. However, electronic wire and cable is a complex product and new user and specification requirements are certain to continue to evolve. Therefore, if you have any special requests for additional technical information or unlisted items, please call your local sales representative or our sales service department. Quabbin Wire & Cable reserves the right to change or delete both product and specification data as required without notice.

Disclaimer, RoHS, and Errors

We believe the information presented in this catalog is reliable and have carefully compiled and checked it. However, we assume no responsibility for possible errors or omissions. RoHS compliance has been determined by testing our materials and compounds using independent labs we believe are reliable. Since Quabbin did not perform these measurements, all compliance information is provided without warranty as indicated below.

Because each application is unique, Quabbin Wire & Cable makes no warranty as to the **merchantability** or suitability of any product for a particular use, nor will we be liable for any indirect, incidental or consequential damages that may arise from the use or sale of our product.



Quabbin Wire & Cable views the Internet and its pages on the World Wide Web as a vital sales, marketing and engineering tool. Quabbin's Web site (www.quabbin.com) provides online information on the Company, its products, the markets served, and various applications.

One of our Web site's most valuable resources is the online catalog. As you use it, you will realize it provides much more than the paper catalog. It offers a wealth of detail on product features, including electronic performance test data.

Thanks to easy Web site access, product users can immediately access new product information and existing product changes as soon as they are posted rather than wait for a new catalog to be printed. In the same way, articles about industry trends, new specifications and technological advancements are available on Quabbin's site. Please visit www.quabbin.com. In the opinion of many, it is one of the best web sites in the industry.

The site is, first and foremost, an engineering tool providing technical data and specification information on over 500 part numbers. This information is accessible through the **Cable Finder**, which leads the user to one of five choices:

- Use a Quabbin P/N
- Provide an equal to a competitive P/N
- Describe your cable design
- Describe your cable application
- Discuss the application directly with Quabbin

These selections ultimately lead to specific part number information or a new cable design. The high performance and data networking designs often include typical test results for attenuation, NEXT, SRL, impedance, etc. that may be printed. You may also request a detailed engineering specification in pdf format, directly from the part number pages.

Contact Us leads you to Quabbin Wire & Cable's Massachusetts headquarters, field warehouses, or the Quabbin Rep's sales office nearest you. Phone, fax, e-mail, URL addresses and the names of sales personnel are provided. You can easily request samples, check availability and call for a quotation. E-mail links are also available for direct communication with Quabbin's Engineering and Human Resources departments.

About Quabbin provides information on the Company's size, manufacturing capabilities, product range, mission, and quality goals.

Literature leads to a series of articles on applications such as patch cables, Industrial Ethernet, LAN channel performance, alien crosstalk, return loss, T-1 signaling and much more. These articles do a good job of making a technical subject quite understandable and customers often use them for training purposes. You may also read and print individual brochures or a Stock List, provided in pdf format. The Literature section also contains new product and news releases. These include color product photos and direct links to applicable part numbers.

QUALITY POLICY

Quabbin Wire & Cable Co., Inc. is dedicated to designing, manufacturing and selling consistently high quality products. To ensure that our products and service meet our customers' requirements, our quality objectives are:

- to exceed industry and performance standards
- to employ vendors who share our commitment to quality
- to ensure employee understanding and support of our quality system

Commitment, teamwork and dedication to quality are leading Quabbin Wire & Cable Co., Inc. to a future of growth and prosperity.

Paul D. Engel, President

When Paul Engel founded Quabbin Wire & Cable in 1975, quality was a driving force for the company. Through the years as Quabbin completed many expansions and upgrades to the facility, quality has remained a major factor. State-of-the-art process monitoring and automated data gathering are now the norm and not only ensure quality, but consistency. The end result is a product that the team is proud to stand behind.

The decision to choose Quabbin reflects much more than selecting a reel of cable. Along with the product, Quabbin customers benefit from an uncompromising vision of quality and a commitment to perform above industry standards. This philosophy is an integral part of the Quabbin corporate culture extending to the level of sales service provided, the technical and engineering support customers receive, respect and consideration for employees, as well as the desire to impact the local community and environment in a positive manner.

GENERAL INFORMATION

PART NUMBER / DESCRIPTION / LOCATOR

QWC P/N	Description	Page No.	QWC P/N	Description	Page No.
0130	2/C 22 7/30 TC PVC PVC Unshielded PLTC	7-B	0724	5/C 18 16/30 PVC PVC Unshielded 600V-Trol	19-B
0131	2/C 22 7/30 TC PVC PVC Unshielded PLTC	7-B	0725	7/C 18 16/30 PVC PVC Unshielded 600V-Trol	19-B
0135	2/C 20 10/30 TC PVC PVC Unshielded PLTC	7-B	0726	9/C 18 16/30 PVC PVC Unshielded 600V-Trol	19-B
0140	2/C 18 16/30 TC PVC PVC Unshielded PLTC	7-B	0728	15/C 18 16/30 PVC PVC Unshielded 600V-Trol	19-B
0145	2/C 16 19/29 TC PVC PVC Unshielded PLTC	7-B	0729	19/C 18 16/30 PVC PVC Unshielded 600V-Trol	19-B
0150	2/C 14 41/30 TC PVC PVC Unshielded PLTC	7-B	0730	25/C 18 16/30 PVC PVC Unshielded 600V-Trol	19-B
0155	2/C 12 65/30 TC PVC PVC Unshielded PLTC	7-B	0733	4/C 16 19/.0117 PVC PVC Unshielded 600V-Trol	18-B
0160	2/C 22 7/30 TC PVC PVC O/A Shield PLTC	6-B	0734	5/C 16 19/.0117 PVC PVC Unshielded 600V-Trol	18-B
0165	2/C 20 10/30 TC PVC PVC O/A Shield PLTC	6-B	0735	7/C 16 19/.0117 PVC PVC Unshielded 600V-Trol	18-B
0170	2/C 18 16/30 TC PVC PVC O/A Shield PLTC	6-B	0736	9/C 16 19/.0117 PVC PVC Unshielded 600V-Trol	18-B
0175	2/C 16 19/29 TC PVC PVC O/A Shield PLTC	6-B	0737	12/C 16 19/.0117 PVC PVC Unshielded 600V-Trol	18-B
0180	2/C 14 41/30 TC PVC PVC O/A Shield PLTC	6-B	0738	15/C 16 19/.0117 PVC PVC Unshielded 600V-Trol	18-B
0185	2/C 12 65/30 TC PVC PVC O/A Shield PLTC	6-B	0739	19/C 16 19/.0117 PVC PVC Unshielded 600V-Trol	18-B
0190	3/C 22 7/30 TC PVC PVC Unshielded PLTC	7-B	0740	25/C 16 19/.0117 PVC PVC Unshielded 600V-Trol	18-B
0195	3/C 20 10/30 TC PVC PVC Unshielded PLTC	7-B	0741	2/C 14 41/30 PVC PVC Unshielded 600V-Trol	18-B
0200	3/C 18 16/30 TC PVC PVC Unshielded PLTC	7-B	0742	3/C 14 41/30 PVC PVC Unshielded 600V-Trol	18-B
0205	3/C 16 19/29 TC PVC PVC Unshielded PLTC	7-B	0743	4/C 14 41/30 PVC PVC Unshielded 600V-Trol	18-B
0210	3/C 14 41/30 TC PVC PVC Unshielded PLTC	7-B	0744	5/C 14 41/30 PVC PVC Unshielded 600V-Trol	18-B
0215	3/C 22 7/30 TC PVC PVC O/A Shield PLTC	6-B	0745	7/C 14 41/30 PVC PVC Unshielded 600V-Trol	18-B
0220	3/C 20 10/30 TC PVC PVC O/A Shield PLTC	6-B	0746	9/C 14 41/30 PVC PVC Unshielded 600V-Trol	18-B
0225	3/C 18 16/30 TC PVC PVC O/A Shield PLTC	6-B	0747	12/C 14 41/30 PVC PVC Unshielded 600V-Trol	18-B
0230	3/C 16 19/29 TC PVC PVC O/A Shield PLTC	6-B	0748	15/C 14 41/30 PVC PVC Unshielded 600V-Trol	18-B
0235	3/C 14 41/30 TC PVC PVC O/A Shield PLTC	6-B	0750	25/C 14 41/30 PVC PVC Unshielded 600V-Trol	18-B
0240	2 Pr 22 7/30 TC PVC PVC O/A Shield PLTC	12-C	0801	2/C 22 7/30 PVC PVC Shielded 600V-Trol	21-B
0245	3 Pr 22 7/30 TC PVC PVC O/A Shield PLTC	12-C	0802	3/C 22 7/30 PVC PVC Shielded 600V-Trol	21-B
0250	4 Pr 22 7/30 TC PVC PVC O/A Shield PLTC	12-C	0803	4/C 22 7/30 PVC PVC Shielded 600V-Trol	21-B
0255	6 Pr 22 7/30 TC PVC PVC O/A Shield PLTC	12-C	0804	5/C 22 7/30 PVC PVC Shielded 600V-Trol	21-B
0260	9 Pr 22 7/30 TC PVC PVC O/A Shield PLTC	12-C	0805	7/C 22 7/30 PVC PVC Shielded 600V-Trol	21-B
0265	11 Pr 22 7/30 TC PVC PVC O/A Shield PLTC	12-C	0806	9/C 22 7/30 PVC PVC Shielded 600V-Trol	21-B
0270	15 Pr 22 7/30 TC PVC PVC O/A Shield PLTC	12-C	0807	12/C 22 7/30 PVC PVC Shielded 600V-Trol	21-B
0275	19 Pr 22 7/30 TC PVC PVC O/A Shield PLTC	12-C	0811	2/C 20 7/28 PVC PVC Shielded 600V-Trol	21-B
0280	27 Pr 22 7/30 TC PVC PVC O/A Shield PLTC	12-C	0812	3/C 20 7/28 PVC PVC Shielded 600V-Trol	21-B
0290	2 Pr 18 16/30 TC PVC PVC O/A Shield PLTC	12-C	0813	4/C 20 7/28 PVC PVC Shielded 600V-Trol	21-B
0295	3 Pr 18 16/30 TC PVC PVC O/A Shield PLTC	12-C	0814	5/C 20 7/28 PVC PVC Shielded 600V-Trol	21-B
0300	4 Pr 18 16/30 TC PVC PVC O/A Shield PLTC	12-C	0815	7/C 20 7/28 PVC PVC Shielded 600V-Trol	21-B
0305	6 Pr 18 16/30 TC PVC PVC O/A Shield PLTC	12-C	0816	9/C 20 7/28 PVC PVC Shielded 600V-Trol	21-B
0310	9 Pr 18 16/30 TC PVC PVC O/A Shield PLTC	12-C	0817	12/C 20 7/28 PVC PVC Shielded 600V-Trol	21-B
0315	11 Pr 18 16/30 TC PVC PVC O/A Shield PLTC	12-C	0821	2/C 18 16/30 PVC PVC Shielded 600V-Trol	21-B
0320	15 Pr 18 16/30 TC PVC PVC O/A Shield PLTC	12-C	0822	3/C 18 16/30 PVC PVC Shielded 600V-Trol	21-B
0511	2/C 18 7/26 PVC PVC Unshielded Instr.	12-B	0823	4/C 18 16/30 PVC PVC Shielded 600V-Trol	21-B
0701	2/C 22 7/30 PVC PVC Unshielded 600V-Trol	19-B	0824	5/C 18 16/30 PVC PVC Shielded 600V-Trol	21-B
0703	4/C 22 7/30 PVC PVC Unshielded 600V-Trol	19-B	0825	7/C 18 16/30 PVC PVC Shielded 600V-Trol	21-B
0704	5/C 22 7/30 PVC PVC Unshielded 600V-Trol	19-B	0826	9/C 18 16/30 PVC PVC Shielded 600V-Trol	21-B
0706	9/C 22 7/30 PVC PVC Unshielded 600V-Trol	19-B	0827	12/C 18 16/30 PVC PVC Shielded 600V-Trol	21-B
0709	19/C 22 7/30 PVC PVC Unshielded 600V-Trol	19-B	0828	15/C 18 16/30 PVC PVC Shielded 600V-Trol	21-B
0712	3/C 20 7/28 PVC PVC Unshielded 600V-Trol	19-B	0829	19/C 18 16/30 PVC PVC Shielded 600V-Trol	21-B
0713	4/C 20 7/28 PVC PVC Unshielded 600V-Trol	19-B	0830	25/C 18 16/30 PVC PVC Shielded 600V-Trol	21-B
0716	9/C 20 7/28 PVC PVC Unshielded 600V-Trol	19-B	0831	2/C 16 19/.0117 PVC PVC Shielded 600V-Trol	20-B
0717	12/C 20 7/28 PVC PVC Unshielded 600V-Trol	19-B	0832	3/C 16 19/.0117 PVC PVC Shielded 600V-Trol	20-B
0718	15/C 20 7/28 PVC PVC Unshielded 600V-Trol	19-B	0833	4/C 16 19/.0117 PVC PVC Shielded 600V-Trol	20-B
0719	19/C 20 7/28 PVC PVC Unshielded 600V-Trol	19-B	0834	5/C 16 19/.0117 PVC PVC Shielded 600V-Trol	20-B
0720	25/C 20 7/28 PVC PVC Unshielded 600V-Trol	19-B	0835	7/C 16 19/.0117 PVC PVC Shielded 600V-Trol	20-B
0721	2/C 18 16/30 PVC PVC Unshielded 600V-Trol	19-B	0836	9/C 16 19/.0117 PVC PVC Shielded 600V-Trol	20-B
0722	3/C 18 16/30 PVC PVC Unshielded 600V-Trol	19-B	0837	12/C 16 19/.0117 PVC PVC Shielded 600V-Trol	20-B
0723	4/C 18 16/30 PVC PVC Unshielded 600V-Trol	19-B	0838	15/C 16 19/.0117 PVC PVC Shielded 600V-Trol	20-B

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PART NUMBER / DESCRIPTION / LOCATOR

QWC P/N	Description	Page No.	QWC P/N	Description	Page No.
0839	19/C 16 19/.0117 PVC PVC Shielded 600V-Trol	20-B	1604	4 Pr 24 7/32 TC PE Dual PVC Unshielded Cat 6A Yellow	29-D
0840	25/C 16 19/.0117 PVC PVC Shielded 600V-Trol	20-B	1605	4 Pr 24 7/32 TC PE Dual PVC Unshielded Cat 6A Green	29-D
0841	2/C 14 41/30 PVC PVC Shielded 600V-Trol	20-B	1606	4 Pr 24 7/32 TC PE Dual PVC Unshielded Cat 6A Blue	29-D
0842	3/C 14 41/30 PVC PVC Shielded 600V-Trol	20-B	1607	4 Pr 24 7/32 TC PE Dual PVC Unshielded Cat 6A Violet	29-D
0843	4/C 14 41/30 PVC PVC Shielded 600V-Trol	20-B	1608	4 Pr 24 7/32 TC PE Dual PVC Unshielded Cat 6A Gray	29-D
0844	5/C 14 41/30 PVC PVC Shielded 600V-Trol	20-B	1609	4 Pr 24 7/32 TC PE Dual PVC Unshielded Cat 6A White	29-D
0845	7/C 14 41/30 PVC PVC Shielded 600V-Trol	20-B	1610	4 Pr 24 7/32 TC PE Dual PVC Unshielded Cat 6A Beige	29-D
0846	9/C 14 41/30 PVC PVC Shielded 600V-Trol	20-B	1612	4 Pr 24 7/32 TC PE Dual PVC Unshielded Cat 6A Pink	29-D
0847	12/C 14 41/30 PVC PVC Shielded 600V-Trol	20-B	2000	4 Pr 24 Solid BC PO PVC Unshielded Cat 6 Black	27-D
0848	15/C 14 41/30 PVC PVC Shielded 600V-Trol	20-B	2001	4 Pr 24 Solid BC PO PVC Unshielded Cat 6 Brown	27-D
0849	19/C 14 41/30 PVC PVC Shielded 600V-Trol	20-B	2002	4 Pr 24 Solid BC PO PVC Unshielded Cat 6 Red	27-D
0850	25/C 14 41/30 PVC PVC Shielded 600V-Trol	20-B	2003	4 Pr 24 Solid BC PO PVC Unshielded Cat 6 Orange	27-D
1100	2/C 12 19/.0185 TC PVC PVC Unshielded PLTCT	12-B	2004	4 Pr 24 Solid BC PO PVC Unshielded Cat 6 Yellow	27-D
1105	2/C 12 19/.0185 TC PE PVC O/A Shield Instr.	11-B	2005	4 Pr 24 Solid BC PO PVC Unshielded Cat 6 Green	27-D
1200	4 Pr 24 7/32 PE LSZH Unshielded Category 5e Black	23-D	2006	4 Pr 24 Solid BC PO PVC Unshielded Cat 6 Blue	27-D
1201	4 Pr 24 7/32 PE LSZH Unshielded Category 5e Brown	23-D	2007	4 Pr 24 Solid BC PO PVC Unshielded Cat 6 Violet	27-D
1202	4 Pr 24 7/32 PE LSZH Unshielded Category 5e Red	23-D	2008	4 Pr 24 Solid BC PO PVC Unshielded Cat 6 Gray	27-D
1203	4 Pr 24 7/32 PE LSZH Unshielded Category 5e Orange	23-D	2009	4 Pr 24 Solid BC PO PVC Unshielded Cat 6 White	27-D
1204	4 Pr 24 7/32 PE LSZH Unshielded Category 5e Yellow	23-D	2010	4 Pr 24 Solid BC PO PVC Unshielded Cat 6 Beige	27-D
1205	4 Pr 24 7/32 PE LSZH Unshielded Category 5e Green	23-D	2012	4 Pr 24 Solid BC PO PVC Unshielded Cat 6 Pink	27-D
1206	4 Pr 24 7/32 PE LSZH Unshielded Category 5e Blue	23-D	2015	4 Pr 24 Solid BC PO PVC Unshielded Cat 6 Lime	27-D
1207	4 Pr 24 7/32 PE LSZH Unshielded Category 5e Violet	23-D	2100	4/C 14 19/.0147 TC PVC PVC Unshielded Instr.	12-B
1208	4 Pr 24 7/32 PE LSZH Unshielded Category 5e Gray	23-D	2105	5/C 14 19/.0147 TC PVC PVC Unshielded Instr.	12-B
1209	4 Pr 24 7/32 PE LSZH Unshielded Category 5e White	23-D	2110	7/C 14 19/.0147 TC PVC PVC Unshielded Instr.	12-B
1210	4 Pr 24 7/32 PE LSZH Unshielded Category 5e Beige	23-D	2115	2/C 14 19/.0147 TC PVC PVC Unshielded Instr.	12-B
1212	4 Pr 24 7/32 PE LSZH Unshielded Category 5e Pink	23-D	2120	2/C 14 19/.0147 TC PE PVC O/A Shield Instr.	11-B
1215	4 Pr 24 7/32 PE LSZH Unshielded Category 5e Lime	23-D	2174	Commercial Coax RG-174 Type, 50 Ohm	7-F
1300	4 Pr 24 7/32 PE LSZH Unshielded Category 6 Black	26-D	2178	Commercial Coax RG-178 Type, 50 Ohm	7-F
1301	4 Pr 24 7/32 PE LSZH Unshielded Category 6 Brown	26-D	2179	Commercial Coax RG-179 Type, 75 Ohm	7-F
1302	4 Pr 24 7/32 PE LSZH Unshielded Category 6 Red	26-D	2200	4 Pr 24 7/32 TC PE PVC Unshielded Category 6 Black	24-D
1303	4 Pr 24 7/32 PE LSZH Unshielded Category 6 Orange	26-D	2200B	4 Pr 24 7/32 TC PE PVC Unshielded Category 6 Black	25-D
1304	4 Pr 24 7/32 PE LSZH Unshielded Category 6 Yellow	26-D	2201	4 Pr 24 7/32 TC PE PVC Unshielded Category 6 Brown	24-D
1305	4 Pr 24 7/32 PE LSZH Unshielded Category 6 Green	26-D	2201B	4 Pr 24 7/32 TC PE PVC Unshielded Category 6 Brown	25-D
1306	4 Pr 24 7/32 PE LSZH Unshielded Category 6 Blue	26-D	2202	4 Pr 24 7/32 TC PE PVC Unshielded Category 6 Red	24-D
1307	4 Pr 24 7/32 PE LSZH Unshielded Category 6 Violet	26-D	2202B	4 Pr 24 7/32 TC PE PVC Unshielded Category 6 Red	25-D
1308	4 Pr 24 7/32 PE LSZH Unshielded Category 6 Gray	26-D	2203	4 Pr 24 7/32 TC PE PVC Unshielded Category 6 Orange	24-D
1309	4 Pr 24 7/32 PE LSZH Unshielded Category 6 White	26-D	2203B	4 Pr 24 7/32 TC PE PVC Unshielded Category 6 Orange	25-D
1310	4 Pr 24 7/32 PE LSZH Unshielded Category 6 Beige	26-D	2204	4 Pr 24 7/32 TC PE PVC Unshielded Category 6 Yellow	24-D
1312	4 Pr 24 7/32 PE LSZH Unshielded Category 6 Pink	26-D	2204B	4 Pr 24 7/32 TC PE PVC Unshielded Category 6 Yellow	25-D
1500	4 Pr 24 7/32 TC PE Dual PVC Shielded Cat 6A Black	31-D	2205	4 Pr 24 7/32 TC PE PVC Unshielded Category 6 Green	24-D
1501	4 Pr 24 7/32 TC PE Dual PVC Shielded Cat 6A Brown	31-D	2205B	4 Pr 24 7/32 TC PE PVC Unshielded Category 6 Green	25-D
1502	4 Pr 24 7/32 TC PE Dual PVC Shielded Cat 6A Red	31-D	2206	4 Pr 24 7/32 TC PE PVC Unshielded Category 6 Blue	24-D
1503	4 Pr 24 7/32 TC PE Dual PVC Shielded Cat 6A Orange	31-D	2206B	4 Pr 24 7/32 TC PE PVC Unshielded Category 6 Blue	25-D
1504	4 Pr 24 7/32 TC PE Dual PVC Shielded Cat 6A Yellow	31-D	2207	4 Pr 24 7/32 TC PE PVC Unshielded Category 6 Violet	24-D
1505	4 Pr 24 7/32 TC PE Dual PVC Shielded Cat 6A Green	31-D	2207B	4 Pr 24 7/32 TC PE PVC Unshielded Category 6 Violet	25-D
1506	4 Pr 24 7/32 TC PE Dual PVC Shielded Cat 6A Blue	31-D	2208	4 Pr 24 7/32 TC PE PVC Unshielded Category 6 Gray	24-D
1507	4 Pr 24 7/32 TC PE Dual PVC Shielded Cat 6A Violet	31-D	2208B	4 Pr 24 7/32 TC PE PVC Unshielded Category 6 Gray	25-D
1508	4 Pr 24 7/32 TC PE Dual PVC Shielded Cat 6A Gray	31-D	2209	4 Pr 24 7/32 TC PE PVC Unshielded Category 6 White	24-D
1509	4 Pr 24 7/32 TC PE Dual PVC Shielded Cat 6A White	31-D	2209B	4 Pr 24 7/32 TC PE PVC Unshielded Category 6 White	25-D
1510	4 Pr 24 7/32 TC PE Dual PVC Shielded Cat 6A Beige	31-D	2210	4 Pr 24 7/32 TC PE PVC Unshielded Category 6 Beige	24-D
1512	4 Pr 24 7/32 TC PE Dual PVC Shielded Cat 6A Pink	31-D	2210B	4 Pr 24 7/32 TC PE PVC Unshielded Category 6 Beige	25-D
1600	4 Pr 24 7/32 TC PE Dual PVC Unshielded Cat 6A Black	29-D	2212	4 Pr 24 7/32 TC PE PVC Unshielded Category 6 Pink	24-D
1601	4 Pr 24 7/32 TC PE Dual PVC Unshielded Cat 6A Brown	29-D	2212B	4 Pr 24 7/32 TC PE PVC Unshielded Category 6 Pink	25-D
1602	4 Pr 24 7/32 TC PE Dual PVC Unshielded Cat 6A Red	29-D	2316	Commercial Coax RG-316 Type, 50 Ohm	7-F
1603	4 Pr 24 7/32 TC PE Dual PVC Unshielded Cat 6A Orange	29-D	2510	4 Pr 26 7/34 TC PO PVC Dble Shld Category 5e Blue	18-D

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PART NUMBER / DESCRIPTION / LOCATOR

QWC P/N	Description	Page No.	QWC P/N	Description	Page No.
2511	4 Pr 26 7/34 TC PO PVC Dble Shld Category 5e White	18-D	2946	4 Pr 26 7/34 TC PO PVC Shielded Cat 6A Yellow	32-D
2512	4 Pr 26 7/34 TC PO PVC Dble Shld Category 5e Beige	18-D	2947	4 Pr 26 7/34 TC PO PVC Shielded Cat 6A Green	32-D
2513	4 Pr 26 7/34 TC PO PVC Dble Shld Category 5e Gray	18-D	2948	4 Pr 26 7/34 TC PO PVC Shielded Cat 6A Blue	32-D
2700	3/C Type 735A 75 Ohm Coaxial With O/A Jacket	10-D	2949	4 Pr 26 7/34 TC PO PVC Shielded Cat 6A Violet	32-D
2701	Type 735A 75 Ohm Coaxial With Parallel Tracer Wire	8-D	2950	4 Pr 26 7/34 TC PO PVC Shielded Cat 6A Gray	32-D
2702	Dual Type 735A 75 Ohm Coaxial	9-D	2951	4 Pr 26 7/34 TC PO PVC Shielded Cat 6A White	32-D
2703	Dual Type 735A 75 Ohm Coaxial With Tracer Wire	9-D	2952	4 Pr 26 7/34 TC PO PVC Shielded Cat 6A Beige	32-D
2706	6/C Type 735A 75 Ohm Coaxial With O/A Jacket	10-D	2953	4 Pr 26 7/34 TC PO PVC Shielded Cat 6A Pink	32-D
2708	8/C Type 735A 75 Ohm Coaxial With O/A Jacket	10-D	2954	4 Pr 26 7/34 TC PO PVC Unshielded Cat 6A Black	30-D
2709	9/C Type 735A 75 Ohm Coaxial With O/A Jacket	10-D	2955	4 Pr 26 7/34 TC PO PVC Unshielded Cat 6A Brown	30-D
2712	12/C Type 735A 75 Ohm Coaxial With O/A Jacket	10-D	2956	4 Pr 26 7/34 TC PO PVC Unshielded Cat 6A Red	30-D
2716	16/C Type 735A 75 Ohm Coaxial With O/A Jacket	10-D	2957	4 Pr 26 7/34 TC PO PVC Unshielded Cat 6A Orange	30-D
2724	24/C Type 735A 75 Ohm Coaxial With O/A Jacket	10-D	2958	4 Pr 26 7/34 TC PO PVC Unshielded Cat 6A Yellow	30-D
2730	RGB 75 Ohm Video Coax With Red PVC Jacket	9-F	2959	4 Pr 26 7/34 TC PO PVC Unshielded Cat 6A Green	30-D
2731	RGB 75 Ohm Video Coax With Blue PVC Jacket	9-F	2960	4 Pr 26 7/34 TC PO PVC Unshielded Cat 6A Blue	30-D
2732	RGB 75 Ohm Video Coax With Green PVC Jacket	9-F	2961	4 Pr 26 7/34 TC PO PVC Unshielded Cat 6A Violet	30-D
2735	Type 735A 75 Ohm Coaxial	8-D	2962	4 Pr 26 7/34 TC PO PVC Unshielded Cat 6A Gray	30-D
2800	4 Pr 26 7/34 TC PO LSZH Shielded Category 5e Black	19-D	2963	4 Pr 26 7/34 TC PO PVC Unshielded Cat 6A White	30-D
2801	4 Pr 26 7/34 TC PO LSZH Shielded Category 5e Brown	19-D	2964	4 Pr 26 7/34 TC PO PVC Unshielded Cat 6A Beige	30-D
2802	4 Pr 26 7/34 TC PO LSZH Shielded Category 5e Red	19-D	2965	4 Pr 26 7/34 TC PO PVC Unshielded Cat 6A Pink	30-D
2803	4 Pr 26 7/34 TC PO LSZH Shielded Category 5e Orange	19-D	3100	4/C 16 19/.0117 TC PVC PVC Unshielded Instr.	12-B
2804	4 Pr 26 7/34 TC PO LSZH Shielded Category 5e Yellow	19-D	3130	2/C 16 19/.0117 TC PVC PVC Unshielded Instr.	12-B
2805	4 Pr 26 7/34 TC PO LSZH Shielded Category 5e Green	19-D	3135	2/C 16 19/.0117 TC PE PVC O/A Shield Instr.	11-B
2806	4 Pr 26 7/34 TC PO LSZH Shielded Category 5e Blue	19-D	3140	3/C 16 19/.0117 TC PE PVC O/A Shield Instr.	11-B
2807	4 Pr 26 7/34 TC PO LSZH Shielded Category 5e Violet	19-D	3145	2/C 16 Solid BC PVC PVC Unshielded Fire Alarm	24-B
2808	4 Pr 26 7/34 TC PO LSZH Shielded Category 5e Gray	19-D	3150	2/C 16 Solid BC PVC PVC O/A Shield Fire Alarm	23-B
2809	4 Pr 26 7/34 TC PO LSZH Shielded Category 5e White	19-D	3155	4/C 16 Solid BC PVC PVC O/A Shield Fire Alarm	23-B
2810	4 Pr 26 7/34 TC PO LSZH Shielded Category 5e Beige	19-D	4090	2/C 18 16/30 TC PVC PVC Unshielded Instr.	12-B
2900	4 Pr 26 7/34 TC PO PVC Shielded Category 5e Black	17-D	4100	4/C 18 16/30 TC PVC PVC Unshielded 600V Instr.	15-B
2901	4 Pr 26 7/34 TC PO PVC Shielded Category 5e Brown	17-D	4105	5/C 18 16/30 TC PVC PVC Unshielded 600V Instr.	15-B
2902	4 Pr 26 7/34 TC PO PVC Shielded Category 5e Red	17-D	4110	7/C 18 16/30 TC PVC PVC Unshielded 600V Instr.	15-B
2903	4 Pr 26 7/34 TC PO PVC Shielded Category 5e Orange	17-D	4115	9/C 18 16/30 TC PVC PVC Unshielded 600V Instr.	15-B
2904	4 Pr 26 7/34 TC PO PVC Shielded Category 5e Yellow	17-D	4120	12/C 18 16/30 TC PVC PVC Unshielded 600V Instr.	15-B
2905	4 Pr 26 7/34 TC PO PVC Shielded Category 5e Green	17-D	4125	15/C 18 16/30 TC PVC PVC Unshielded 600V Instr.	15-B
2906	4 Pr 26 7/34 TC PO PVC Shielded Category 5e Blue	17-D	4130	19/C 18 16/30 TC PVC PVC Unshielded 600V Instr.	15-B
2907	4 Pr 26 7/34 TC PO PVC Shielded Category 5e Violet	17-D	4135	25/C 18 16/30 TC PVC PVC Unshielded 600V Instr.	15-B
2908	4 Pr 26 7/34 TC PO PVC Shielded Category 5e Gray	17-D	4140	2/C 18 7/26 TC PVC PVC Unshielded Instr.	12-B
2909	4 Pr 26 7/34 TC PO PVC Shielded Category 5e White	17-D	4145	2 Pr 18 16/30 TC PVC PVC Unshielded Instr.	16-C
2910	4 Pr 26 7/34 TC PO PVC Shielded Category 5e Beige	17-D	4150	3 Pr 18 16/30 TC PVC PVC Unshielded Instr.	16-C
2930	4 Pr 26 7/34 TC PO PVC Shielded Category 6 Black	28-D	4155	4 Pr 18 16/30 TC PVC PVC Unshielded Instr.	16-C
2931	4 Pr 26 7/34 TC PO PVC Shielded Category 6 Brown	28-D	4158	5 Pr 18 16/30 TC PVC PVC Unshielded Instr.	16-C
2932	4 Pr 26 7/34 TC PO PVC Shielded Category 6 Red	28-D	4160	6 Pr 18 16/30 TC PVC PVC Unshielded Instr.	16-C
2933	4 Pr 26 7/34 TC PO PVC Shielded Category 6 Orange	28-D	4164	2/C 18 7/.0152 TC PE PVC O/A Shield Instr.	11-B
2934	4 Pr 26 7/34 TC PO PVC Shielded Category 6 Yellow	28-D	4165	2/C 18 16/30 TC PE PVC O/A Shield Instr.	11-B
2935	4 Pr 26 7/34 TC PO PVC Shielded Category 6 Green	28-D	4170	3/C 18 16/30 TC PE PVC O/A Shield Instr.	11-B
2936	4 Pr 26 7/34 TC PO PVC Shielded Category 6 Blue	28-D	4174	3/C 18 16/30 TC SR-PVC PVC O/A Shield Audio	14-B
2937	4 Pr 26 7/34 TC PO PVC Shielded Category 6 Violet	28-D	4175	4/C 18 16/30 TC SR-PVC PVC O/A Shield Audio	14-B
2938	4 Pr 26 7/34 TC PO PVC Shielded Category 6 Gray	28-D	4177	6/C 18 16/30 TC SR-PVC PVC O/A Shield Audio	14-B
2939	4 Pr 26 7/34 TC PO PVC Shielded Category 6 White	28-D	4178	8/C 18 16/30 TC SR-PVC PVC O/A Shield Audio	14-B
2940	4 Pr 26 7/34 TC PO PVC Shielded Category 6 Beige	28-D	4179	10/C 18 16/30 TC SR-PVC PVC O/A Shield Audio	14-B
2941	4 Pr 26 7/34 TC PO PVC Shielded Category 6 Pink	28-D	4185	3 Pr 18 16/30 TC PE PVC Pairs Shielded Mid-Cap	15-C
2942	4 Pr 26 7/34 TC PO PVC Shielded Cat 6A Black	32-D	4190	6 Pr 18 16/30 TC PE PVC Pairs Shielded Mid-Cap	15-C
2943	4 Pr 26 7/34 TC PO PVC Shielded Cat 6A Brown	32-D	4195	9 Pr 18 16/30 TC PE PVC Pairs Shielded Mid-Cap	15-C
2944	4 Pr 26 7/34 TC PO PVC Shielded Cat 6A Red	32-D	4200	12 Pr 18 16/30 TC PE PVC Pairs Shielded Mid-Cap	15-C
2945	4 Pr 26 7/34 TC PO PVC Shielded Cat 6A Orange	32-D	4205	15 Pr 18 16/30 TC PE PVC Pairs Shielded Mid-Cap	15-C

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GENERAL INFORMATION

PART NUMBER / DESCRIPTION / LOCATOR

QWC P/N	Description	Page No.	QWC P/N	Description	Page No.
4210	2/C 18 Solid BC PE PVC Unshielded Fire Alarm	24-B	5122	4 Pr 22 7/30 TC PE PUR Unshielded Ind. Ether. Teal	3-E
4215	2/C 18 Solid BC PE PVC O/A Shield Fire Alarm	23-B	5200	2 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Black	15-D
4220	4/C 18 Solid BC PE PVC O/A Shield Fire Alarm	23-B	5202	2 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Red	15-D
4235	4/C 18 Solid BC PE PVC Unshielded Fire Alarm	24-B	5203	2 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Orange	15-D
4240	6/C 18 Solid BC PE PVC Unshielded Fire Alarm	24-B	5204	2 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Yellow	15-D
4245	8/C 18 Solid BC PE PVC Unshielded Fire Alarm	24-B	5205	2 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Green	15-D
4505	2/C 22 7/30 TC PP PVC O/A Bonded Shield Audio	16-B	5206	2 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Blue	15-D
4510	2/C 22 7/30 TC PE PVC O/A Bonded Shield Audio	16-B	5207	2 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Violet	15-D
4520	2/C 22 7/30 TC PVC PVC O/A Shield Audio	10-B	5208	2 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Gray	15-D
4530	2/C 20 7/28 TC PVC PVC O/A Shield Audio	10-B	5209	2 Pr 24 7/32 TC PE PVC Unshielded Cat 5e White	15-D
4540	2/C 20 7/28 TC PE PVC O/A Bonded Shield Audio	16-B	5210	2 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Beige	15-D
4550	2/C 18 16/30 TC PE PVC O/A Bonded Shield Audio	16-B	5212	2 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Pink	15-D
4560	2/C 18 16/30 TC PVC PVC Unshielded 300V Instr.	15-B	5310	3 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Beige	13-D
5000	2 Pr 24 7/32 TC PE PUR Unshielded Ind. Ether. Black	3-E	5400	4 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Black	16-D
5006	2 Pr 24 7/32 TC PE PUR Unshielded Ind. Ether. Blue	3-E	5402	4 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Red	16-D
5016	2 Pr 24 7/32 TC PE PUR Unshielded Ind. Ether. Teal	3-E	5403	4 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Orange	16-D
5020	2 Pr 22 7/30 TC PE PUR Unshielded Ind. Ether. Black	3-E	5404	4 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Yellow	16-D
5021	2 Pr 22 7/30 TC PE PUR Unshielded Ind. Ether. Blue	3-E	5405	4 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Green	16-D
5022	2 Pr 22 7/30 TC PE PUR Unshielded Ind. Ether. Teal	3-E	5406	4 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Blue	16-D
5030	2 Pr 26 7/34 TC PO PVC Shielded Ind. Ether. Black	14-E	5407	4 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Violet	16-D
5031	2 Pr 26 7/34 TC PO PVC Shielded Ind. Ether. Blue	14-E	5408	4 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Gray	16-D
5032	2 Pr 26 7/34 TC PO PVC Shielded Ind. Ether. Teal	14-E	5409	4 Pr 24 7/32 TC PE PVC Unshielded Cat 5e White	16-D
5035	2 Pr 26 7/34 TC PO FR-TPE Shielded Ind. Ether. Black	10-E	5410	4 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Beige	16-D
5036	2 Pr 26 7/34 TC PO FR-TPE Shielded Ind. Ether. Blue	10-E	5412	4 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Pink	16-D
5037	2 Pr 26 7/34 TC PO FR-TPE Shielded Ind. Ether. Teal	10-E	5500	4 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Black	21-D
5038	2 Pr 26 7/34 TC PO FR-TPE Shielded Ind. Ether. Red	10-E	5501	4 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Brown	21-D
5040	2 Pr 26 7/34 TC PO PUR Shielded Ind. Ether. Black	4-E	5502	4 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Red	21-D
5041	2 Pr 26 7/34 TC PO PUR Shielded Ind. Ether. Blue	4-E	5503	4 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Orange	21-D
5042	2 Pr 26 7/34 TC PO PUR Shielded Ind. Ether. Teal	4-E	5504	4 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Yellow	21-D
5050	2 Pr 26 7/34 TC PO FR-TPE Dbl. Shield Ind. Ether. Black	11-E	5505	4 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Green	21-D
5051	2 Pr 26 7/34 TC PO FR-TPE Dbl. Shield Ind. Ether. Blue	11-E	5506	4 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Blue	21-D
5052	2 Pr 26 7/34 TC PO FR-TPE Dbl. Shield Ind. Ether. Teal	11-E	5507	4 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Violet	21-D
5055	2 Pr 26 7/34 TC PO PUR Dbl. Shield Ind. Ether. Black	5-E	5508	4 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Gray	21-D
5056	2 Pr 26 7/34 TC PO PUR Dbl. Shield Ind. Ether. Blue	5-E	5509	4 Pr 24 7/32 TC PE PVC Unshielded Cat 5e White	21-D
5057	2 Pr 26 7/34 TC PO PUR Dbl. Shield Ind. Ether. Teal	5-E	5510	4 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Beige	21-D
5060	2 Pr 26 7/34 TC PO PVC Dbl. Shield Ind. Ether. Black	15-E	5512	4 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Pink	21-D
5061	2 Pr 26 7/34 TC PO PVC Dbl. Shield Ind. Ether. Blue	15-E	5515	4 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Lime	21-D
5062	2 Pr 26 7/34 TC PO PVC Dbl. Shield Ind. Ether. Teal	15-E	5700	4 Pr 24 7/32 TC PE PUR Unshielded Ind. Ether. Black	3-E
5075	4 Pr 26 7/34 TC PO PUR Dbl. Shield Z-Hal Black	6-E	5706	4 Pr 24 7/32 TC PE PUR Unshielded Ind. Ether. Blue	3-E
5076	4 Pr 26 7/34 TC PO PUR Dbl. Shield Z-Hal Blue	6-E	5710	4 Pr 26 7/34 TC PO PUR Shielded Ind. Ether. Black	4-E
5077	4 Pr 26 7/34 TC PO PUR Dbl. Shield Z-Hal Teal	6-E	5711	4 Pr 26 7/34 TC PO PUR Shielded Ind. Ether. Blue	4-E
5078	4 Pr 26 7/34 TC PO PUR Dbl. Shield Z-Hal Red	6-E	5712	4 Pr 26 7/34 TC PO PUR Shielded Ind. Ether. Teal	4-E
5100	1 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Black	20-D	5716	4 Pr 24 7/32 TC PE PUR Unshielded Ind. Ether. Teal	3-E
5102	1 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Red	20-D	5725	4 Pr 26 7/34 TC PO PVC Shielded Ind. Ether. Black	14-E
5103	1 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Orange	20-D	5726	4 Pr 26 7/34 TC PO PVC Shielded Ind. Ether. Blue	14-E
5104	1 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Yellow	20-D	5727	4 Pr 26 7/34 TC PO PVC Shielded Ind. Ether. Teal	14-E
5105	1 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Green	20-D	5730	4 Pr 26 7/34 TC PO PUR Dbl. Shield Ind. Ether. Black	5-E
5106	1 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Blue	20-D	5731	4 Pr 26 7/34 TC PO PUR Dbl. Shield Ind. Ether. Blue	5-E
5107	1 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Violet	20-D	5732	4 Pr 26 7/34 TC PO PUR Dbl. Shield Ind. Ether. Teal	5-E
5108	1 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Gray	20-D	5734	4 Pr 26 7/34 TC PO FR-TPE Dbl. Shield Ind. Ether. Black	11-E
5109	1 Pr 24 7/32 TC PE PVC Unshielded Cat 5e White	20-D	5735	4 Pr 26 7/34 TC PO FR-TPE Dbl. Shield Ind. Ether. Blue	11-E
5110	1 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Beige	20-D	5736	4 Pr 26 7/34 TC PO FR-TPE Dbl. Shield Ind. Ether. Teal	11-E
5112	1 Pr 24 7/32 TC PE PVC Unshielded Cat 5e Pink	20-D	5739	4 Pr 26 7/34 TC PO PVC Dbl. Shield Ind. Ether. Black	15-E
5120	4 Pr 22 7/30 TC PE PUR Unshielded Ind. Ether. Black	3-E	5740	4 Pr 26 7/34 TC PO PVC Dbl. Shield Ind. Ether. Blue	15-E
5121	4 Pr 22 7/30 TC PE PUR Unshielded Ind. Ether. Blue	3-E	5741	4 Pr 26 7/34 TC PO PVC Dbl. Shield Ind. Ether. Teal	15-E

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QWC P/N	Description	Page No.	QWC P/N	Description	Page No.
5750	4 Pr 24 7/32 TC PE FR-TPE Unshielded Ind. Ether. Black	8-E	6183	1 Pr 20 Solid TC PP PE Pairs Shielded Roadway Loop	13-C
5751	4 Pr 24 7/32 TC PE FR-TPE Unshielded Ind. Ether. Blue	8-E	6185	2 Pr 20 7/28 PVC PVC 1-Pair Shielded Audio	3-F
5752	4 Pr 24 7/32 TC PE FR-TPE Unshielded Ind. Ether. Teal	8-E	6201	1 Pr 24 Solid TC Foamed PP PVC Shld AES/EBU Violet	6-F
5753	4 Pr 24 7/32 TC PE FR-TPE Unshielded Ind. Ether. Red	8-E	6202	1 Pr 24 Solid TC Foamed PP PVC Shld AES/EBU Blue	6-F
5760	4 Pr 26 7/34 TC PO FR-TPE Shielded Ind. Ether. Black	10-E	6203	1 Pr 24 Solid TC Foamed PP PVC Shld AES/EBU White	6-F
5761	4 Pr 26 7/34 TC PO FR-TPE Shielded Ind. Ether. Blue	10-E	6204	1 Pr 24 Solid TC PE PVC Double Shielded T-1	2-D
5762	4 Pr 26 7/34 TC PO FR-TPE Shielded Ind. Ether. Teal	10-E	6205	Twinaxial 20 7/28 TC PE PVC Double Shielded Audio	2-F
5763	2 Pr 24 7/32 TC PO FR-TPE Shielded Ind. Ether. Red	10-E	6206	2 Pr 24 Solid PO PVC Shielded T-1	3-D
5770	2 Pr 24 7/32 TC PE FR-TPE Unshielded Ind. Ether. Black	8-E	6500	2/C 22 7/30 TC PVC PVC Unshielded Security	8-B
5771	2 Pr 24 7/32 TC PE FR-TPE Unshielded Ind. Ether. Blue	8-E	6520	4/C 22 7/30 TC PVC PVC Unshielded Security	8-B
5772	2 Pr 24 7/32 TC PE FR-TPE Unshielded Ind. Ether. Teal	8-E	6530	5/C 22 7/30 TC PVC PVC Unshielded Security	8-B
5773	2 Pr 24 7/32 TC PE FR-TPE Unshielded Ind. Ether. Red	8-E	6540	6/C 22 7/30 TC PVC PVC Unshielded Security	8-B
5780	2 Pr 24 7/32 TC PO PVC Unshielded Ind. Ether. Black	13-E	6550	8/C 22 7/30 TC PVC PVC Unshielded Security	8-B
5781	2 Pr 24 7/32 TC PO PVC Unshielded Ind. Ether. Blue	13-E	6560	10/C 22 7/30 TC PVC PVC Unshielded Security	8-B
5782	2 Pr 24 7/32 TC PO PVC Unshielded Ind. Ether. Teal	13-E	6565	10/C 22 Solid BC PVC PVC Unshielded Security	8-B
5783	2 Pr 24 7/32 TC PO PVC Unshielded Ind. Ether. Red	13-E	6575	12/C 22 7/30 TC PVC PVC Unshielded Security	8-B
5800	4 Pr 22 7/30 TC PE FR-TPE Unshielded Ind. Ether. Black	8-E	6590	15/C 22 7/30 TC PVC PVC Unshielded Security	8-B
5801	4 Pr 22 7/30 TC PE FR-TPE Unshielded Ind. Ether. Blue	8-E	7115	2/C 22 7/30 TC SR-PVC PVC Unshielded RS 232 Gray	5-B
5802	4 Pr 22 7/30 TC PE FR-TPE Unshielded Ind. Ether. Teal	8-E	7116	2/C 22 7/30 TC SR-PVC PVC Unshielded RS 232 Black	5-B
5900	2 Pr 22 7/30 TC PE FR-TPE Unshielded Ind. Ether. Black	8-E	7117	2/C 22 7/30 TC SR-PVC PVC Unshielded RS 232 White	5-B
5901	2 Pr 22 7/30 TC PE FR-TPE Unshielded Ind. Ether. Blue	8-E	7120	3/C 22 7/30 TC SR-PVC PVC Unshielded RS 232	5-B
5902	2 Pr 22 7/30 TC PE FR-TPE Unshielded Ind. Ether. Teal	8-E	7121	3/C 22 7/30 TC SR-PVC PVC Unshielded RS 232	5-B
5904	2 Pr 22 7/30 TC PO PVC Unshielded Ind. Ether. Black	13-E	7125	4/C 22 7/30 TC SR-PVC PVC Unshielded RS 232	5-B
5905	2 Pr 22 7/30 TC PO PVC Unshielded Ind. Ether. Blue	13-E	7130	5/C 22 7/30 TC SR-PVC PVC Unshielded RS 232	5-B
5906	2 Pr 22 7/30 TC PO PVC Unshielded Ind. Ether. Teal	13-E	7131	5/C 22 7/30 TC SR-PVC PVC Unshielded RS 232	5-B
5908	4 Pr 22 7/30 TC PO PVC Unshielded Ind. Ether. Black	13-E	7135	6/C 22 7/30 TC SR-PVC PVC Unshielded RS 232	5-B
5909	4 Pr 22 7/30 TC PO PVC Unshielded Ind. Ether. Blue	13-E	7136	6/C 22 7/30 TC SR-PVC PVC Unshielded RS 232	5-B
5910	4 Pr 22 7/30 TC PO PVC Unshielded Ind. Ether. Teal	13-E	7140	7/C 22 7/30 TC SR-PVC PVC Unshielded RS 232	5-B
5915	4 Pr 24 7/32 TC PO PVC Unshielded Ind. Ether. Black	13-E	7145	8/C 22 7/30 TC SR-PVC PVC Unshielded RS 232	5-B
5916	4 Pr 24 7/32 TC PO PVC Unshielded Ind. Ether. Teal	13-E	7150	9/C 22 7/30 TC SR-PVC PVC Unshielded RS 232	5-B
5917	4 Pr 24 7/32 TC PO PVC Unshielded Ind. Ether. Blue	13-E	7155	10/C 22 7/30 TC SR-PVC PVC Unshielded RS 232	5-B
5918	4 Pr 24 7/32 TC PO PVC Unshielded Ind. Ether. Red	13-E	7160	12/C 22 7/30 TC SR-PVC PVC Unshielded RS 232	5-B
6100	4/C 20 7/28 TC PVC PVC Unshielded Instrumentation	13-B	7165	15/C 22 7/30 TC SR-PVC PVC Unshielded RS 232	5-B
6101	4/C 20 7/28 TC PVC PVC Unshielded Instrumentation	13-B	7166	15/C 22 7/30 TC SR-PVC PVC Unshielded RS 232	5-B
6105	5/C 20 7/28 TC PVC PVC Unshielded Instrumentation	13-B	7170	20/C 22 7/30 TC SR-PVC PVC Unshielded RS 232	5-B
6110	7/C 20 7/28 TC PVC PVC Unshielded Instrumentation	13-B	7171	20/C 22 7/30 TC SR-PVC PVC Unshielded RS 232	5-B
6115	9/C 20 7/28 TC PVC PVC Unshielded Instrumentation	13-B	7175	25/C 22 7/30 TC SR-PVC PVC Unshielded RS 232	5-B
6120	12/C 20 7/28 TC PVC PVC Unshielded Instrumentation	13-B	7195	60/C 22 7/30 TC SR-PVC PVC Unshielded RS 232	5-B
6125	15/C 20 7/28 TC PVC PVC Unshielded Instrumentation	13-B	7260	2 Pr 22 7/30 TC SR-PVC PVC Unshielded Instr.	11-C
6130	1 Pr 20 7/28 TC PVC PVC Unshielded Instrumentation	16-C	7265	3 Pr 22 7/30 TC SR-PVC PVC Unshielded Instr.	11-C
6135	3 Pr 20 7/28 TC PVC PVC Unshielded Instrumentation	16-C	7270	4 Pr 22 7/30 TC SR-PVC PVC Unshielded Instr.	11-C
6136	6 Pr 20 7/28 TC PVC PVC Unshielded Instrumentation	16-C	7275	6 Pr 22 7/30 TC SR-PVC PVC Unshielded Instr.	11-C
6137	9 Pr 20 7/28 TC PVC PVC Unshielded Instrumentation	16-C	7280	9 Pr 22 7/30 TC SR-PVC PVC Unshielded Instr.	11-C
6138	15 Pr 20 7/28 TC PVC PVC Unshielded Instrumentation	16-C	7285	12 Pr 22 7/30 TC SR-PVC PVC Unshielded Instr.	11-C
6140	2/C 20 7/28 TC PE PVC O/A Shield Instrumentation	11-B	7290	15 Pr 22 7/30 TC SR-PVC PVC Unshielded Instr.	11-C
6145	3/C 20 7/28 TC PE PVC O/A Shield Instrumentation	11-B	7295	19 Pr 22 7/30 TC SR-PVC PVC Unshielded Instr.	11-C
6151	2 Pr 20 7/28 TC SR-PVC PVC Pairs Shielded Instr.	14-C	7300	23 Pr 22 7/30 TC SR-PVC PVC Unshielded Instr.	11-C
6155	3 Pr 20 7/28 TC PE PVC Pairs Shielded Mid-Cap	15-C	7305	27 Pr 22 7/30 TC SR-PVC PVC Unshielded Instr.	11-C
6160	6 Pr 20 7/28 TC PE PVC Pairs Shielded Mid-Cap	15-C	7310	2/C 22 Solid TC PP PVC O/A Shield Audio	9-B
6165	9 Pr 20 7/28 TC PE PVC Pairs Shielded Mid-Cap	15-C	7315	2/C 22 7/30 TC PP PVC O/A Shield Audio	9-B
6166	11 Pr 20 7/28 TC PE PVC Pairs Shielded Mid-Cap	15-C	7316	2/C 22 7/30 TC PP PVC O/A Shield Audio	9-B
6167	12 Pr 20 7/28 TC PE PVC Pairs Shielded Mid-Cap	15-C	7320	2/C 22 7/30 TC PE PVC O/A Shield Instrumentation	11-B
6169	15 Pr 20 7/28 TC PE PVC Pairs Shielded Mid-Cap	15-C	7325	3/C 22 7/30 TC PE PVC O/A Shield Instrumentation	11-B
6170	3 Pr 20 10/30 TC PP PE Pairs Shielded Roadway Loop	13-C	7335	2/C 22 Solid TC PVC PVC O/A Braided Shield Audio	17-B
6175	6 Pr 20 10/30 TC PP PE Pairs Shielded Roadway Loop	13-C	7340	3/C 22 7/30 TC PVC PVC O/A Braided Shield Audio	17-B

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GENERAL INFORMATION

PART NUMBER / DESCRIPTION / LOCATOR

QWC P/N	Description	Page No.	QWC P/N	Description	Page No.
7345	2/C 22 7/30 TC PVC PVC O/A Braided Shield Audio	17-B	8145	15 Pr 24 7/32 TC SR-PVC PVC O/A Shield RS 232	2-C
7395	2 Pr 22 7/30 TC PP PVC Pairs Shielded POS	9-C	8150	19 Pr 24 7/32 TC SR-PVC PVC O/A Shield RS 232	2-C
7400	3 Pr 22 7/30 TC PP PVC Pairs Shielded POS	9-C	8155	25 Pr 24 7/32 TC SR-PVC PVC O/A Shield RS 232	2-C
7405	6 Pr 22 7/30 TC PE PVC Pairs Shielded Mid-Cap	10-C	8158	50 Pr 24 7/32 TC SR-PVC PVC O/A Shield RS 232	2-C
7410	9 Pr 22 7/30 TC PE PVC Pairs Shielded Mid-Cap	10-C	8165	3/C 24 7/32 TC SR-PVC PVC O/A Shield RS 232	1-B
7415	11 Pr 22 7/30 TC PE PVC Pairs Shielded Mid-Cap	10-C	8170	4/C 24 7/32 TC SR-PVC PVC O/A Shield RS 232	1-B
7420	12 Pr 22 7/30 TC PE PVC Pairs Shielded Mid-Cap	10-C	8175	5/C 24 7/32 TC SR-PVC PVC O/A Shield RS 232	1-B
7425	15 Pr 22 7/30 TC PE PVC Pairs Shielded Mid-Cap	10-C	8180	6/C 24 7/32 TC SR-PVC PVC O/A Shield RS 232	1-B
7430	17 Pr 22 7/30 TC PE PVC Pairs Shielded Mid-Cap	10-C	8185	7/C 24 7/32 TC SR-PVC PVC O/A Shield RS 232	1-B
7435	19 Pr 22 7/30 TC PE PVC Pairs Shielded Mid-Cap	10-C	8190	8/C 24 7/32 TC SR-PVC PVC O/A Shield RS 232	1-B
7440	27 Pr 22 7/30 TC PE PVC Pairs Shielded Mid-Cap	10-C	8195	9/C 24 7/32 TC SR-PVC PVC O/A Shield RS 232	1-B
7445	37 Pr 22 7/30 TC PE PVC Pairs Shielded Mid-Cap	10-C	8200	10/C 24 7/32 TC SR-PVC PVC O/A Shield RS 232	1-B
7455	2 Pr 22 7/30 TC PP PVC Pairs and O/A Shielded Audio	5-F	8202	12/C 24 7/32 TC SR-PVC PVC O/A Shield RS 232	1-B
7460	2 Pr 22 7/30 TC PE PVC 1 Pair Shielded Audio	3-F	8205	15/C 24 7/32 TC SR-PVC PVC O/A Shield RS 232	1-B
7465	2 Pr 22 7/30 TC PE PVC 1 Pair Shielded Audio	3-F	8210	20/C 24 7/32 TC SR-PVC PVC O/A Shield RS 232	1-B
7470	6/C 22 Solid BC PVC PVC Unshielded Fire Alarm	22-B	8215	25/C 24 7/32 TC SR-PVC PVC O/A Shield RS 232	1-B
7475	9/C 22 Solid BC PVC PVC Unshielded Fire Alarm	22-B	8216	30/C 24 7/32 TC SR-PVC PVC O/A Shield RS 232	1-B
7480	12/C 22 Solid BC PVC PVC Unshielded Fire Alarm	22-B	8220	37/C 24 7/32 TC SR-PVC PVC O/A Shield RS 232	1-B
7515	2/C 22 7/30 TC SR-PVC PVC O/A Shield Instr.	3-B	8223	40/C 24 7/32 TC SR-PVC PVC O/A Shield RS 232	1-B
7520	3/C 22 7/30 TC SR-PVC PVC O/A Shield Instr.	3-B	8225	50/C 24 7/32 TC SR-PVC PVC O/A Shield RS 232	1-B
7525	4/C 22 7/30 TC SR-PVC PVC O/A Shield Instr.	3-B	8302	1 Pr 24 7/32 TC PE PVC Double O/A Shield Low-Cap	6-C
7535	6/C 22 7/30 TC SR-PVC PVC O/A Shield Instr.	3-B	8304	2 Pr 24 7/32 TC PE PVC Double O/A Shield Low-Cap	6-C
7540	7/C 22 7/30 TC SR-PVC PVC O/A Shield Instr.	3-B	8306	3 Pr 24 7/32 TC PE PVC Double O/A Shield Low-Cap	6-C
7545	8/C 22 7/30 TC SR-PVC PVC O/A Shield Instr.	3-B	8308	4 Pr 24 7/32 TC PE PVC Double O/A Shield Low-Cap	6-C
7555	10/C 22 7/30 TC SR-PVC PVC O/A Shield Instr.	3-B	8309	4-1/2 Pr 24 7/32 TC PE PVC Double O/A Shield	6-C
7560	12/C 22 7/30 TC SR-PVC PVC O/A Shield Instr.	3-B	8312	6 Pr 24 7/32 TC PE PVC Double O/A Shield Low-Cap	6-C
7565	15/C 22 7/30 TC SR-PVC PVC O/A Shield Instr.	3-B	8315	7-1/2 Pr 24 7/32 TC PE PVC Double O/A Shield	6-C
7570	20/C 22 7/30 TC SR-PVC PVC O/A Shield Instr.	3-B	8318	9 Pr 24 7/32 TC PE PVC Double O/A Shield Low-Cap	6-C
7575	25/C 22 7/30 TC SR-PVC PVC O/A Shield Instr.	3-B	8325	12-1/2 Pr 24 7/32 TC PE PVC Double O/A Shield	6-C
7580	30/C 22 7/30 TC SR-PVC PVC O/A Shield Instr.	3-B	8490	4/C 24 42/40 BC PE PVC O/A Braid Shield Microphone	4-F
7585	40/C 22 7/30 TC SR-PVC PVC O/A Shield Instr.	3-B	8492	4/C 24 42/40 BC PE PVC O/A Braid Shield Microphone	4-F
7590	50/C 22 7/30 TC SR-PVC PVC O/A Shield Instr.	3-B	8494	4/C 24 42/40 BC PE PVC O/A Braid Shield Microphone	4-F
7600	3/C 22 7/30 TC SR-PVC PVC Dbl O/A Shield RS 232	4-B	8495	4/C 24 42/40 BC PE PVC O/A Braid Shield Microphone	4-F
7605	4/C 22 7/30 TC SR-PVC PVC Dbl O/A Shield RS 232	4-B	8496	4/C 24 42/40 BC PE PVC O/A Braid Shield Microphone	4-F
7610	5/C 22 7/30 TC SR-PVC PVC Dbl O/A Shield RS 232	4-B	8498	4/C 24 42/40 BC PE PVC O/A Braid Shield Microphone	4-F
7615	6/C 22 7/30 TC SR-PVC PVC Dbl O/A Shield RS 232	4-B	8504	2 Pr 24 7/32 TC PE PVC O/A Shield Low-Cap	5-C
7620	7/C 22 7/30 TC SR-PVC PVC Dbl O/A Shield RS 232	4-B	8505	2-1/2 Pr 24 7/32 TC PE PVC O/A Shield Low-Cap	5-C
7625	8/C 22 7/30 TC SR-PVC PVC Dbl O/A Shield RS 232	4-B	8506	3 Pr 24 7/32 TC PE PVC O/A Shield Low-Cap	5-C
7630	9/C 22 7/30 TC SR-PVC PVC Dbl O/A Shield RS 232	4-B	8507	3-1/2 Pr 24 7/32 TC PE PVC O/A Shield Low-Cap	5-C
7635	10/C 22 7/30 TC SR-PVC PVC Dbl O/A Shield RS 232	4-B	8508	4 Pr 24 7/32 TC PE PVC O/A Shield Low-Cap	5-C
7640	15/C 22 7/30 TC SR-PVC PVC Dbl O/A Shield RS 232	4-B	8509	4-1/2 Pr 24 7/32 TC PE PVC O/A Shield Low-Cap	5-C
7645	25/C 22 7/30 TC SR-PVC PVC Dbl O/A Shield RS 232	4-B	8510	5 Pr 24 7/32 TC PE PVC O/A Shield Low-Cap	5-C
7650	37/C 22 7/30 TC SR-PVC PVC Dbl O/A Shield RS 232	4-B	8512	6 Pr 24 7/32 TC PE PVC O/A Shield Low-Cap	5-C
7655	50/C 22 7/30 TC SR-PVC PVC Dbl O/A Shield RS 232	4-B	8514	7 Pr 24 7/32 TC PE PVC O/A Shield Low-Cap	5-C
8100	2/C 24 7/32 TC PE PVC O/A Shield Instrumentation	11-B	8515	7-1/2 Pr 24 7/32 TC PE PVC O/A Shield Low-Cap	5-C
8105	1 Pr 24 7/32 TC SR-PVC PVC O/A Shield RS 232	2-C	8518	9 Pr 24 7/32 TC PE PVC O/A Shield Low-Cap	5-C
8110	2 Pr 24 7/32 TC SR-PVC PVC O/A Shield RS 232	2-C	8524	12 Pr 24 7/32 TC PE PVC O/A Shield Low-Cap	5-C
8115	3 Pr 24 7/32 TC SR-PVC PVC O/A Shield RS 232	2-C	8525	12-1/2 Pr 24 7/32 TC PE PVC O/A Shield Low-Cap	5-C
8120	4 Pr 24 7/32 TC SR-PVC PVC O/A Shield RS 232	2-C	8537	18-1/2 Pr 24 7/32 TC PE PVC O/A Shield Low-Cap	5-C
8125	5 Pr 24 7/32 TC SR-PVC PVC O/A Shield RS 232	2-C	8602	1 Pr 24 7/32 TC Foam PP PVC Pair Shielded Low-Cap	7-C
8130	6 Pr 24 7/32 TC SR-PVC PVC O/A Shield RS 232	2-C	8604	2 Pr 24 7/32 TC Foam PP PVC Pairs Shielded Low-Cap	7-C
8135	7 Pr 24 7/32 TC SR-PVC PVC O/A Shield RS 232	2-C	8606	3 Pr 24 7/32 TC Foam PP PVC Pairs Shielded Low-Cap	7-C
8138	8 Pr 24 7/32 TC SR-PVC PVC O/A Shield RS 232	2-C	8608	4 Pr 24 7/32 TC Foam PP PVC Pairs Shielded Low-Cap	7-C
8140	9 Pr 24 7/32 TC SR-PVC PVC O/A Shield RS 232	2-C	8612	6 Pr 24 7/32 TC Foam PP PVC Pairs Shielded Low-Cap	7-C
8141	10 Pr 24 7/32 TC SR-PVC PVC O/A Shield RS 232	2-C	8618	9 Pr 24 7/32 TC Foam PP PVC Pairs Shielded Low-Cap	7-C

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QWC P/N	Description	Page No.	QWC P/N	Description	Page No.
8622	11 Pr 24 7/32 TC Foam PP PVC Pairs Shielded Low-Cap	7-C	9464	2 Pr 24 Solid BC PO PVC O/A Shield Category 5	14-D
8624	12 Pr 24 7/32 TC Foam PP PVC Pairs Shielded Low-Cap	7-C	9466	3 Pr 24 Solid BC PO PVC O/A Shield Category 5	14-D
8630	15 Pr 24 7/32 TC Foam PP PVC Pairs Shielded Low-Cap	7-C	9468	4 Pr 24 Solid BC PO PVC O/A Shield Category 5	14-D
8634	17 Pr 24 7/32 TC Foam PP PVC Pairs Shielded Low-Cap	7-C	9469	4 Pr 24 Solid BC PO PVC Unshielded Cat 5e Blue	22-D
8638	19 Pr 24 7/32 TC Foam PP PVC Pairs Shielded Low-Cap	7-C	9489	4 Pr 24 Solid BC PO PVC Unshielded Cat 5e Gray	22-D
8654	27 Pr 24 7/32 TC Foam PP PVC Pairs Shielded Low-Cap	7-C	9499	4 Pr 24 Solid BC PO PVC Unshielded Cat 5e White	22-D
8663	3/C 24 7/32 TC FPP PVC Double O/A Shield Low-Cap	2-B	9504	2 Pr 28 7/36 TC PE PVC Double O/A Shield Mid-Cap	1-C
8664	4/C 24 7/32 TC FPP PVC Double O/A Shield Low-Cap	2-B	9506	3 Pr 28 7/36 TC PE PVC Double O/A Shield Mid-Cap	1-C
8665	5/C 24 7/32 TC FPP PVC Double O/A Shield Low-Cap	2-B	9508	4 Pr 28 7/36 TC PE PVC Double O/A Shield Mid-Cap	1-C
8666	6/C 24 7/32 TC FPP PVC Double O/A Shield Low-Cap	2-B	9510	5 Pr 28 7/36 TC PE PVC Double O/A Shield Mid-Cap	1-C
8667	7/C 24 7/32 TC FPP PVC Double O/A Shield Low-Cap	2-B	9514	7 Pr 28 7/36 TC PE PVC Double O/A Shield Mid-Cap	1-C
8668	8/C 24 7/32 TC FPP PVC Double O/A Shield Low-Cap	2-B	9518	9 Pr 28 7/36 TC PE PVC Double O/A Shield Mid-Cap	1-C
8669	9/C 24 7/32 TC FPP PVC Double O/A Shield Low-Cap	2-B	9524	12 Pr 28 7/36 TC PE PVC Double O/A Shield Mid-Cap	1-C
8670	10/C 24 7/32 TC FPP PVC Double O/A Shield Low-Cap	2-B	9526	13 Pr 28 7/36 TC PE PVC Double O/A Shield Mid-Cap	1-C
8710	2 Pr 24 7/32 TC SR-PVC PVC Double O/A Shield	3-C	9550	25 Pr 28 7/36 TC PE PVC Double O/A Shield Mid-Cap	1-C
8715	3 Pr 24 7/32 TC SR-PVC PVC Double O/A Shield	3-C	9604	2 Pr 26 7/34 TC PO PVC Shielded Category 5 Beige	17-D
8720	4 Pr 24 7/32 TC SR-PVC PVC Double O/A Shield	3-C	9701	1 Pr 22 Solid TC Composite PO PVC Double Shielded T-1	2-D
8725	5 Pr 24 7/32 TC SR-PVC PVC Double O/A Shield	3-C	9705	2 Pr 26 7/34 TC PE PVC O/A Shield IBM Type 6	11-D
8730	6 Pr 24 7/32 TC SR-PVC PVC Double O/A Shield	3-C	9712	12 Pr 22 Solid TC Foam PP PVC Prs Shield T-1, xDSL	5-D
8735	7 Pr 24 7/32 TC SR-PVC PVC Double O/A Shield	3-C	9719	2 Pr 22 Solid TC Composite Insul PVC Prs Shield T-1	3-D
8738	8 Pr 24 7/32 TC SR-PVC PVC Double O/A Shield	3-C	9720	2 Pr 22 Solid TC Composite Insul PVC Prs Shield T-1	1-D
8741	10 Pr 24 7/32 TC SR-PVC PVC Double O/A Shield	3-C	9722	2 Pr 22 Solid TC Composite Insul PVC Prs Shield T-1	1-D
8742	12-1/2 Pr 24 7/32 TC SR-PVC PVC Double O/A Shield	3-C	9732	2 Pr 22 Solid TC Composite Insul PVDF Prs Shield T-1	1-D
8745	15 Pr 24 7/32 TC SR-PVC PVC Double O/A Shield	3-C	9738	2 Pr 22 Solid TC Composite Insul PVDF Prs Shield T-1	1-D
8748	18 Pr 24 7/32 TC SR-PVC PVC Double O/A Shield	3-C	9745	2 Pr 22 Solid TC Composite Insul PVC Shot Prs Shld T-1	4-D
8755	25 Pr 24 7/32 TC SR-PVC PVC Double O/A Shield	3-C	9755	2 Pr 24 Solid BC Composite Insul PVC Shot Prs Shld T-1	4-D
8804	2 Pr 24 7/32 TC PE PVC Double O/A Shield Mid-Cap	4-C	9760	2 Pr 26 7/34 TC Composite Insul PVC Prs Shld T-1	1-D
8806	3 Pr 24 7/32 TC PE PVC Double O/A Shield Mid-Cap	4-C	9770	2 Pr 24 Solid TC Composite Insul PVC Prs Shld T-1	1-D
8808	4 Pr 24 7/32 TC PE PVC Double O/A Shield Mid-Cap	4-C	9784	4 Pr 22 Solid TC Foamed PP PVC Prs Shield T-1, xDSL	5-D
8810	5 Pr 24 7/32 TC PE PVC Double O/A Shield Mid-Cap	4-C	9786	6 Pr 22 Solid TC Foamed PP PVC Prs Shield T-1, xDSL	5-D
8812	6 Pr 24 7/32 TC PE PVC Double O/A Shield Mid-Cap	4-C	9788	8 Pr 22 Solid TC Foamed PP PVC Prs Shield T-1, xDSL	5-D
8814	7 Pr 24 7/32 TC PE PVC Double O/A Shield Mid-Cap	4-C	9912	12 Pr 22 Solid TC Foam PP PVC Prs Shield E-1, xDSL	7-D
8818	9 Pr 24 7/32 TC PE PVC Double O/A Shield Mid-Cap	4-C	9928	2 Pr 24 Solid TC Comp Insul Oval Prs Shield E-1, xDSL	6-D
8820	10 Pr 24 7/32 TC PE PVC Double O/A Shield Mid-Cap	4-C	9945	2 Pr 24 Solid TC Comp Insul Shot Prs Shield E-1, xDSL	6-D
8824	12 Pr 24 7/32 TC PE PVC Double O/A Shield Mid-Cap	4-C	9984	4 Pr 22 Solid TC Foamed PP PVC Prs Shield E-1, xDSL	7-D
8904	2 Pr 24 7/32 TC PE PVC Prs Shld/Jacketed Snake Cable	8-C	9986	6 Pr 22 Solid TC Foamed PP PVC Prs Shield E-1, xDSL	7-D
8908	4 Pr 24 7/32 TC PE PVC Prs Shld/Jacketed Snake Cable	8-C	9988	8 Pr 22 Solid TC Foamed PP PVC Prs Shield E-1, xDSL	7-D
8912	6 Pr 24 7/32 TC PE PVC Prs Shld/Jacketed Snake Cable	8-C	23000	23/C Hybrid (Composite) Custom Truck Stop	10-F
8916	8 Pr 24 7/32 TC PE PVC Prs Shld/Jacketed Snake Cable	8-C	32013	2 Shlded Grps 8 Pr 26 Solid Foam PP O/A Shld PVC E-1	8-F
8924	12 Pr 24 7/32 TC PE PVC Prs Shld/Jacketed Snake Cable	8-C			
8932	16 Pr 24 7/32 TC PE PVC Prs Shld/Jacketed Snake Cable	8-C			
8948	24 Pr 24 7/32 TC PE PVC Prs Shld/Jacketed Snake Cable	8-C			
9304	2 Pr 26 7/34 TC PVC PVC Unshielded Category 3	12-D			
9306	3 Pr 26 7/34 TC PVC PVC Unshielded Category 3	12-D			
9308	4 Pr 26 7/34 TC PVC PVC Unshielded Category 3	12-D			
9400	4 Pr 24 Solid BC PO PVC Unshielded Cat 5e Yellow	22-D			
9401	4 Pr 24 Solid BC PO PVC Unshielded Cat 5e Brown	22-D			
9402	4 Pr 24 Solid BC PO PVC Unshielded Cat 5e Red	22-D			
9403	4 Pr 24 Solid BC PO PVC Unshielded Cat 5e Orange	22-D			
9405	4 Pr 24 Solid BC PO PVC Unshielded Cat 5e Green	22-D			
9407	4 Pr 24 Solid BC PO PVC Unshielded Cat 5e Violet	22-D			
9410	4 Pr 24 Solid BC PO PVC Unshielded Cat 5e Beige	22-D			
9411	4 Pr 24 Solid BC PO PVC Unshielded Cat 5e Pink	22-D			
9413	4 Pr 24 Solid BC PO PVC Unshielded Cat 5e Lime	22-D			
9415	4 Pr 24 Solid BC PO FR-TPE Unshielded Ind. Ether. Teal	9-E			

GENERAL INFORMATION

CABLE FINDER: COAX, 12 & 14 AWG

Coax/ AWG	No. of Cond.	Part Number	Description	Page No.
RGB Coax	1	2730	75 Ohm Video Coax For RGB Processing Red PVC Jacket	9-F
		2731	75 Ohm Video Coax For RGB Processing Blue PVC Jacket	9-F
		2732	75 Ohm Video Coax For RGB Processing Green PVC Jacket	9-F
RG 59/U	1	23000	Composite With Video, Power, Data, Voice Components	10-F
RG 174	1	2174	50 Ohm Commercial RG 174 Type Equivalent	7-F
RG 178	1	2178	50 Ohm Commercial RG 178 Type Equivalent	7-F
RG 179	1	2179	75 Ohm Commercial RG 179 Type Equivalent	7-F
RG 316	1	2316	50 Ohm Commercial RG 316 Type Equivalent	7-F
735A	1	2701	75 Ohm CMR Coax Double Shielded DS-3 (T-3) With Tracer Wire	8-D
		2735	75 Ohm CMR Coax Double Shielded DS-3 (T-3)	8-D
	2	2702	75 Ohm Dual CMR Coaxes Double Shielded DS-3 (T-3)	9-D
		2703	75 Ohm Dual CMR Coaxes Double Shielded with Tracer DS-3 (T-3)	9-D
	3	2700	75 Ohm CMR Coaxes Double Shielded Bundle O/A PVC DS-3 (T-3)	10-D
	6	2706	75 Ohm CMR Coaxes Double Shielded Bundle O/A PVC DS-3 (T-3)	10-D
	8	2708	75 Ohm CMR Coaxes Double Shielded Bundle O/A PVC DS-3 (T-3)	10-D
	9	2709	75 Ohm CMR Coaxes Double Shielded Bundle O/A PVC DS-3 (T-3)	10-D
	12	2712	75 Ohm CMR Coaxes Double Shielded Bundle O/A PVC DS-3 (T-3)	10-D
	16	2716	75 Ohm CMR Coaxes Double Shielded Bundle O/A PVC DS-3 (T-3)	10-D
	24	2724	75 Ohm CMR Coaxes Double Shielded Bundle O/A PVC DS-3 (T-3)	10-D
12	2	0155	2/C 65/30 TC PVC PVC Unshielded PLTC	7-B
		0185	2/C 65/30 TC PVC PVC O/A Shield PLTC	6-B
		1100	2/C 19/.0185 TC PVC PVC Unshielded 600V Instrumentation	12-B
		1105	2/C 19/.0185 TC PE PVC O/A Shield 300V Instrumentation	11-B
14	2	0150	2/C 41/30 TC PVC PVC Unshielded PLTC	7-B
		0180	2/C 41/30 TC PVC PVC O/A Shield PLTC	6-B
		0741	2/C 41/30 TC PVC PVC Unshielded 600V Control	18-B
		0841	2/C 41/30 TC PVC PVC Shielded 600V Control	20-B
		2115	2/C 19/.0147 TC PVC PVC Unshielded 600V Instrumentation	12-B
		2120	2/C 19/.0147 TC PE PVC O/A Shield 300V Instrumentation	11-B
	3	0210	3/C 41/30 TC PVC PVC Unshielded PLTC	7-B
		0235	3/C 41/30 TC PVC PVC O/A Shield PLTC	6-B
		0742	3/C 41/30 TC PVC PVC Unshielded 600V Control	18-B
		0842	3/C 41/30 TC PVC PVC Shielded 600V Control	20-B

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Coax/ AWG	No. of Cond.	Part Number	Description	Page No.
14	4	0743	4/C 41/30 TC PVC PVC Unshielded 600V Control	18-B
		0843	4/C 41/30 TC PVC PVC Shielded 600V Control	20-B
		2100	4/C 19/.0147 TC PVC PVC Unshielded 600V Instrumentation	12-B
	5	0744	5/C 41/30 TC PVC PVC Unshielded 600V Control	18-B
		0844	5/C 41/30 TC PVC PVC Shielded 600V Control	20-B
		2105	5/C 19/.0147 TC PVC PVC Unshielded 600V Instrumentation	12-B
	7	0745	7/C 41/30 TC PVC PVC Unshielded 600V Control	18-B
		0845	7/C 41/30 TC PVC PVC Shielded 600V Control	20-B
		2110	7/C 19/.0147 TC PVC PVC Unshielded 600V Instrumentation	12-B
	9	0746	9/C 41/30 TC PVC PVC Unshielded 600V Control	18-B
		0846	9/C 41/30 TC PVC PVC Shielded 600V Control	20-B
	12	0747	12/C 41/30 TC PVC PVC Unshielded 600V Control	18-B
		0847	12/C 41/30 TC PVC PVC Shielded 600V Control	20-B
	15	0748	15/C 41/30 TC PVC PVC Unshielded 600V Control	18-B
		0848	15/C 41/30 TC PVC PVC Shielded 600V Control	20-B
	19	0849	19/C 41/30 TC PVC PVC Shielded 600V Control	20-B
	25	0750	25/C 41/30 TC PVC PVC Unshielded 600V Control	18-B
		0850	25/C 41/30 TC PVC PVC Shielded 600V Control	20-B
16	2	0145	2/C 19/29 TC PVC PVC Unshielded PLTC	7-B
		0175	2/C 19/29 TC PVC PVC O/A Shield PLTC	6-B
		0831	2/C 19/.0117 TC PVC PVC Shielded 600V Control	20-B
		3130	2/C 19/.0117 TC PVC PVC Unshielded 300V Instrumentation	12-B
		3135	2/C 19/.0117 TC PE PVC O/A Shield 300V Instrumentation	11-B
		3145	2/C Solid BC PE PVC Unshielded Fire Alarm Red	24-B
		3150	2/C Solid BC PE PVC O/A Shield Fire Alarm Red	23-B
	3	0205	3/C 19/29 TC PVC PVC Unshielded PLTC	7-B
		0230	3/C 19/29 TC PVC PVC O/A Shield PLTC	6-B
		0832	3/C 19/.0117 TC PVC PVC Shielded 600V Control	20-B
		3140	3/C 19/.0117 TC PE PVC O/A Shield 300V Instrumentation	11-B
		23000	Composite With Video, Power, Data, Voice Components	10-F
	4	0733	4/C 19/.0117 TC PVC PVC Unshielded 600V Control	18-B
		0833	4/C 19/.0117 TC PVC PVC Shielded 600V Control	20-B
		3100	4/C 19/.0117 TC PVC PVC Unshielded 300V Instrumentation	12-B
		3155	4/C Solid BC PE PVC O/A Shield Fire Alarm Red	23-B
	5	0734	5/C 19/.0117 TC PVC PVC Unshielded 600V Control	18-B
		0834	5/C 19/.0117 TC PVC PVC Shielded 600V Control	20-B
	7	0735	7/C 19/.0117 TC PVC PVC Unshielded 600V Control	18-B
		0835	7/C 19/.0117 TC PVC PVC Shielded 600V Control	20-B
	9	0736	9/C 19/.0117 TC PVC PVC Unshielded 600V Control	18-B
		0836	9/C 19/.0117 TC PVC PVC Shielded 600V Control	20-B

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GENERAL INFORMATION

CABLE FINDER: 16 & 18 AWG

Coax/ AWG	No. of Cond.	Part Number	Description	Page No.
16	12	0737	12/C 19/.0117 TC PVC PVC Unshielded 600V Control	18-B
		0837	12/C 19/.0117 TC PVC PVC Shielded 600V Control	20-B
	15	0738	15/C 19/.0117 TC PVC PVC Unshielded 600V Control	18-B
		0838	15/C 19/.0117 TC PVC PVC Shielded 600V Control	20-B
	19	0739	19/C 19/.0117 TC PVC PVC Unshielded 600V Control	18-B
		0839	19/C 19/.0117 TC PVC PVC Shielded 600V Control	20-B
	25	0740	25/C 19/.0117 TC PVC PVC Unshielded 600V Control	18-B
		0840	25/C 19/.0117 TC PVC PVC Shielded 600V Control	20-B
18	2	0140	2/C 16/30 TC PVC PVC Unshielded PLTC	7-B
		0170	2/C 16/30 TC PVC PVC O/A Shield PLTC	6-B
		0511	2/C 7/26 TC PVC PVC Unshielded 300V Instrumentation	12-B
		0721	2/C 16/30 TC PVC PVC Unshielded 600V Control	19-B
		0821	2/C 16/30 TC PVC PVC Shielded 600V Control	21-B
		4090	2/C 16/30 TC PVC PVC Unshielded 300V Instrumentation	12-B
		4140	2/C 7/26 TC PVC PVC Unshielded 300V Instrumentation	12-B
		4164	2/C 7/.0152 TC PE PVC O/A Shield 300V Instrumentation	11-B
		4165	2/C 16/30 TC PE PVC O/A Shield 300V Instrumentation	11-B
		4210	2/C Solid BC PE PVC Unshielded Fire Alarm Red	24-B
		4215	2/C Solid BC PE PVC O/A Shield Fire Alarm Red	23-B
		4550	2/C 16/30 TC PE PVC O/A Bonded Shield Audio	16-B
		4560	2/C 16/30 TC PVC PVC Unshielded 300V Instrumentation	15-B
	3	0200	3/C 16/30 TC PVC PVC Unshielded PLTC	7-B
		0225	3/C 16/30 TC PVC PVC O/A Shield PLTC	6-B
		0722	3/C 16/30 TC PVC PVC Unshielded 600V Control	19-B
		0822	3/C 16/30 TC PVC PVC Shielded 600V Control	21-B
		4170	3/C 16/30 TC PE PVC O/A Shield 300V Instrumentation	11-B
		4174	3/C 16/30 TC SR-PVC PVC O/A Shield Audio	14-B
	4	0290	2 Pr 16/30 TC PVC PVC O/A Shield PLTC	12-C
		0723	4/C 16/30 TC PVC PVC Unshielded 600V Control	19-B
		0823	4/C 16/30 TC PVC PVC Shielded 600V Control	21-B
		4100	4/C 16/30 TC PVC PVC Unshielded 600V Instrumentation	15-B
		4145	2 Pr 16/30 TC PVC PVC Unshielded Instrumentation	16-C
		4175	4/C 16/30 TC SR-PVC PVC O/A Shield Audio	14-B
		4220	4/C Solid BC PE PVC O/A Shield Fire Alarm Red	23-B
		4235	4/C Solid BC PE PVC Unshielded Fire Alarm Red	24-B
	5	0724	5/C 16/30 TC PVC PVC Unshielded 600V Control	19-B
		0824	5/C 16/30 TC PVC PVC Shielded 600V Control	21-B
		4105	5/C 16/30 TC PVC PVC Unshielded 600V Instrumentation	15-B
	6	0295	3 Pr 16/30 TC PVC PVC O/A Shield PLTC	12-C
		4150	3 Pr 16/30 TC PVC PVC Unshielded Instrumentation	16-C
		4177	6/C 16/30 TC SR-PVC PVC O/A Shield Audio	14-B
		4185	3 Pr 16/30 TC PE PVC Pairs Shielded Mid-Cap	15-C
		4240	6/C Solid BC PE PVC Unshielded Fire Alarm Red	24-B

(continued)

Coax/ AWG	No. of Cond.	Part Number	Description	Page No.
18	7	0725	7/C 16/30 TC PVC PVC Unshielded 600V Control	19-B
		0825	7/C 16/30 TC PVC PVC Shielded 600V Control	21-B
		4110	7/C 16/30 TC PVC PVC Unshielded 600V Instrumentation	15-B
	8	0300	4 Pr 16/30 TC PVC PVC O/A Shield PLTC	12-C
		4155	4 Pr 16/30 TC PVC PVC Unshielded Instrumentation	16-C
		4178	8/C 16/30 TC SR-PVC PVC O/A Shield Audio	14-B
		4245	8/C Solid BC PE PVC Unshielded Fire Alarm Red	24-B
	9	0726	9/C 16/30 TC PVC PVC Unshielded 600V Control	19-B
		0826	9/C 16/30 TC PVC PVC Shielded 600V Control	21-B
		4115	9/C 16/30 TC PVC PVC Unshielded 600V Instrumentation	15-B
	10	4158	5 Pr 16/30 TC PVC PVC Unshielded Instrumentation	16-C
		4179	10/C 16/30 TC SR-PVC PVC O/A Shield Audio	14-B
	12	0305	6 Pr 16/30 TC PVC PVC O/A Shield PLTC	12-C
		0827	12/C 16/30 TC PVC PVC Shielded 600V Control	21-B
		4120	12/C 16/30 TC PVC PVC Unshielded 600V Instrumentation	15-B
		4160	6 Pr 16/30 TC PVC PVC Unshielded Instrumentation	16-C
		4190	6 Pr 16/30 TC PE PVC Pairs Shielded Mid-Cap	15-C
	15	0728	15/C 16/30 TC PVC PVC Unshielded 600V Control	19-B
		0828	15/C 16/30 TC PVC PVC Shielded 600V Control	21-B
		4125	15/C 16/30 TC PVC PVC Unshielded 600V Instrumentation	15-B
	18	0310	9 Pr 16/30 TC PVC PVC O/A Shield PLTC	12-C
		4195	9 Pr 16/30 TC PE PVC Pairs Shielded Mid-Cap	15-C
	19	0729	19/C 16/30 TC PVC PVC Unshielded 600V Control	19-B
		0829	19/C 16/30 TC PVC PVC Shielded 600V Control	21-B
		4130	19/C 16/30 TC PVC PVC Unshielded 600V Instrumentation	15-B
	22	0315	11 Pr 16/30 TC PVC PVC O/A Shield PLTC	12-C
	24	4200	12 Pr 16/30 TC PE PVC Pairs Shielded Mid-Cap	15-C
	25	0730	25/C 16/30 TC PVC PVC Unshielded 600V Control	19-B
		0830	25/C 16/30 TC PVC PVC Shielded 600V Control	21-B
		4135	25/C 16/30 TC PVC PVC Unshielded 600V Instrumentation	15-B
	30	0320	15 Pr 16/30 TC PVC PVC O/A Shield PLTC	12-C
		4205	15 Pr 16/30 TC PE PVC Pairs Shielded Mid-Cap	15-C
20	2	0135	2/C 10/30 TC PVC PVC Unshielded PLTC	7-B
		0165	2/C 10/30 TC PVC PVC O/A Shield PLTC	6-B
		0811	2/C 7/28 TC PVC PVC Shielded 600V Control	21-B
		4530	2/C 7/28 TC PVC PVC O/A Shield Audio	10-B
		4540	2/C 7/28 TC PE PVC O/A Bonded Shield Audio	16-B
		6130	1 Pr 7/28 TC PVC PVC Unshielded Instrumentation	16-C
		6140	2/C 7/28 TC PE PVC O/A Shield 300V Instrumentation	11-B
		6183	1 Pr Solid TC PP PE Pairs Shielded Roadway Loop	13-C
		6205	Twinaxial 7/28 TC PE PVC Double Shielded Databus, Audio	2-F

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GENERAL INFORMATION

CABLE FINDER: 20 AWG

Coax/ AWG	No. of Cond.	Part Number	Description	Page No.
20	3	0195	3/C 10/30 TC PVC PVC Unshielded PLTC	7-B
		0712	3/C 7/28 TC PVC PVC Unshielded 600V Control	19-B
		0812	3/C 7/28 TC PVC PVC Shielded 600V Control	21-B
		0220	3/C 10/30 TC PVC PVC O/A Shield PLTC	6-B
		6145	3/C 7/28 TC PE PVC O/A Shield 300V Instrumentation	11-B
	4	0713	4/C 7/28 TC PVC PVC Unshielded 600V Control	19-B
		0813	4/C 7/28 TC PVC PVC Shielded 600V Control	21-B
		6100	4/C 7/28 TC PVC PVC Unshielded Instrumentation	13-B
		6101	4/C 7/28 TC PVC PVC Unshielded Instrumentation Black	13-B
		6151	2 Pr 7/28 TC SR-PVC PVC Pairs Shielded Instrumentation	14-C
		6185	2 Pr 7/28 TC PVC PVC 1 Pair Shielded Audio	3-F
	5	0814	5/C 7/28 TC PVC PVC Shielded 600V Control	21-B
		6105	5/C 7/28 TC PVC PVC Unshielded Instrumentation	13-B
	6	6135	3 Pr 7/28 TC PVC PVC Unshielded Instrumentation	16-C
		6155	3 Pr 7/28 TC PE PVC Pairs Shielded Mid-Cap	15-C
		6170	3 Pr 10/30 TC PP PE Pairs Shielded Roadway Loop	13-C
	7	0815	7/C 7/28 TC PVC PVC Shielded 600V Control	21-B
		6110	7/C 7/28 TC PVC PVC Unshielded Instrumentation	13-B
	9	0716	9/C 7/28 TC PVC PVC Unshielded 600V Control	19-B
		0816	9/C 7/28 TC PVC PVC Shielded 600V Control	21-B
		6115	9/C 7/28 TC PVC PVC Unshielded Instrumentation	13-B
	12	0717	12/C 7/28 TC PVC PVC Unshielded 600V Control	19-B
		0817	12/C 7/28 TC PVC PVC Shielded 600V Control	21-B
		6120	12/C 7/28 TC PVC PVC Unshielded Instrumentation	13-B
		6136	6 Pr 7/28 TC PVC PVC Unshielded Instrumentation	16-C
		6160	6 Pr 7/28 TC PE PVC Pairs Shielded Mid-Cap	15-C
		6175	6 Pr 10/30 TC PP PE Pairs Shielded Roadway Loop	13-C
	15	0718	15/C 7/28 TC PVC PVC Unshielded 600V Control	19-B
		6125	15/C 7/28 TC PVC PVC Unshielded Instrumentation	13-B
	18	6137	9 Pr 7/28 TC PVC PVC Unshielded Instrumentation	16-C
		6165	9 Pr 7/28 TC PE PVC Pairs Shielded Mid-Cap	15-C
	19	0719	19/C 7/28 TC PVC PVC Unshielded 600V Control	19-B
	22	6166	11 Pr 7/28 TC PE PVC Pairs Shielded Mid-Cap	15-C
	24	6167	12 Pr 7/28 TC PE PVC Pairs Shielded Mid-Cap	15-C
	25	0720	25/C 7/28 TC PVC PVC Unshielded 600V Control	19-B
	30	6138	15 Pr 7/28 TC PVC PVC Unshielded Instrumentation	16-C
		6169	15 Pr 7/28 TC PE PVC Pairs Shielded Mid-Cap	15-C

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Coax/ AWG	No. of Cond.	Part Number	Description	Page No.
22	2	0130	2/C 7/30 TC PVC PVC Unshielded PLTC	7-B
		0131	2/C 7/30 TC PVC PVC Unshielded PLTC Red	7-B
		0160	2/C 7/30 TC PVC PVC O/A Shield PLTC	6-B
		0701	2/C 7/30 TC PVC PVC Unshielded 600V Control	19-B
		0801	2/C 7/30 TC PVC PVC Shielded 600V Control	21-B
		4505	2/C 7/30 TC PP PVC O/A Bonded Shield Audio	16-B
		4510	2/C 7/30 TC PE PVC O/A Bonded Shield Audio	16-B
		4520	2/C 7/30 TC PVC PVC O/A Shield Audio	10-B
		6500	2/C 7/30 TC PVC PVC Unshielded Security	8-B
		7115	2/C 7/30 TC SR-PVC PVC Unshielded RS-232 Gray	5-B
		7116	2/C 7/30 TC SR-PVC PVC Unshielded RS-232 Black	5-B
		7117	2/C 7/30 TC SR-PVC PVC Unshielded RS-232 White	5-B
		7310	2/C Solid TC PP PVC O/A Shield Audio	9-B
		7315	2/C 7/30 TC PP PVC O/A Shield Audio	9-B
		7316	2/C 7/30 TC PP PVC O/A Shield Audio Black	9-B
		7320	2/C 7/30 TC PE PVC O/A Shield 300V Instrumentation	11-B
		7335	2/C Solid TC PVC PVC O/A Braid Shield Audio	17-B
		7345	2/C 7/30 TC PVC PVC O/A Braid Shield Audio	17-B
		7515	2/C 7/30 TC SR-PVC PVC O/A Shield Instrumentation	3-B
		9701	1 Pr Solid TC Composite PO PVC Double Shielded T-1	2-D
	3	0190	3/C 7/30 TC PVC PVC Unshielded PLTC	7-B
		0215	3/C 7/30 TC PVC PVC O/A Shield PLTC	6-B
		0802	3/C 7/30 TC PVC PVC Shielded 600V Control	21-B
		7120	3/C 7/30 TC SR-PVC PVC Unshielded RS-232	5-B
		7121	3/C 7/30 TC SR-PVC PVC Unshielded RS-232	5-B
		7325	3/C 7/30 TC PE PVC O/A Shield 300V Instrumentation	11-B
		7340	3/C 7/30 TC PVC PVC O/A Braid Shield Audio	17-B
		7520	3/C 7/30 TC SR-PVC PVC O/A Shield Instrumentation	3-B
		7600	3/C 7/30 TC SR-PVC PVC Double O/A Shield RS-232	4-B
	4	0240	2 Pr 7/30 TC PVC PVC O/A Shield PLTC	12-C
		0703	4/C 7/30 TC PVC PVC Unshielded 600V Control	19-B
		0803	4/C 7/30 TC PVC PVC Shielded 600V Control	21-B
		5020	2 Pr 7/30 TC PE PUR Unshld for Cat 5e Ind. Ethernet Cords Black	3-E
		5021	2 Pr 7/30 TC PE PUR Unshld for Cat 5e Ind. Ethernet Cords Blue	3-E
		5022	2 Pr 7/30 TC PE PUR Unshld for Cat 5e Ind. Ethernet Cords Teal	3-E
		5900	2 Pr 7/30 TC PE FR-TPE Unshld TIA Cat 5e Ind. Ethernet Patch Black	8-E
		5901	2 Pr 7/30 TC PE FR-TPE Unshld TIA Cat 5e Ind. Ethernet Patch Blue	8-E
		5902	2 Pr 7/30 TC PE FR-TPE Unshld TIA Cat 5e Ind. Ethernet Patch Teal	8-E
		5904	2 Pr 7/30 TC PO PVC Unshld Category 5e Ind. Ethernet Patch Black	13-E
		5905	2 Pr 7/30 TC PO PVC Unshld Category 5e Ind. Ethernet Patch Blue	13-E
		5906	2 Pr 7/30 TC PO PVC Unshld Category 5e Ind. Ethernet Patch Teal	13-E
		6520	4/C 7/30 TC PVC PVC Unshielded Security	8-B
		7125	4/C 7/30 TC SR-PVC PVC Unshielded RS-232	5-B
		7260	2 Pr 7/30 TC SR-PVC PVC Unshielded Instrumentation	11-C
		7395	2 Pr 7/30 TC PP PVC Pairs Shielded Point of Sale	9-C
		7455	2 Pr 7/30 TC PP PVC Pairs & O/A Shielded Audio	5-F
		7460	2 Pr 7/30 TC PE PVC 1 Pair Shielded Audio	3-F
		7465	2 Pr 7/30 TC PE PVC 1 Pair Shielded Audio	3-F
		7525	4/C 7/30 TC SR-PVC PVC O/A Shield Instrumentation	3-B
		7605	4/C 7/30 TC SR-PVC PVC Double O/A Shield RS-232	4-B

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Coax/ AWG	No. of Cond.	Part Number	Description	Page No.
22	4	9719	2 Pr Solid TC Composite Insul PVC Prs Shielded T-1 or xDSL	3-D
		9720	2 Pr Solid TC Composite Insul PVC Prs Shielded T-1 or xDSL Beige	1-D
		9722	2 Pr Solid TC Composite Insul PVC Prs Shielded T-1 or xDSL Red	1-D
		9732	2 Pr Solid TC Composite Insul PVDF Prs Shielded T-1 or xDSL Red	1-D
		9738	2 Pr Solid TC Composite Insul PVDF Prs Shielded T-1 or xDSL Gray	1-D
		9745	2 Pr Solid TC Composite Insul PVC Shotgun Prs Shield T-1 or xDSL	4-D
	5	0704	5/C 7/30 TC PVC PVC Unshielded 600V Control	19-B
		0804	5/C 7/30 TC PVC PVC Shielded 600V Control	21-B
		6530	5/C 7/30 TC PVC PVC Unshielded Security	8-B
		7130	5/C 7/30 TC SR-PVC PVC Unshielded RS-232	5-B
		7131	5/C 7/30 TC SR-PVC PVC Unshielded RS-232	5-B
		7610	5/C 7/30 TC SR-PVC PVC Double O/A Shield RS-232	4-B
	6	0245	3 Pr 7/30 TC PVC PVC O/A Shield PLTC	12-C
		6540	6/C 7/30 TC PVC PVC Unshielded Security	8-B
		7135	6/C 7/30 TC SR-PVC PVC Unshielded RS-232	5-B
		7136	6/C 7/30 TC SR-PVC PVC Unshielded RS-232	5-B
		7265	3 Pr 7/30 TC SR-PVC PVC Unshielded Instrumentation	11-C
		7400	3 Pr 7/30 TC PP PVC Pairs Shielded Point of Sale	9-C
		7470	6/C Solid BC PVC PVC Unshielded Fire Alarm Black	22-B
		7535	6/C 7/30 TC SR-PVC PVC O/A Shield Instrumentation	3-B
		7615	6/C TC SR-PVC PVC Double O/A Shield RS-232	4-B
	7	0805	7/C 7/30 TC PVC PVC Shielded 600V Control	21-B
		7140	7/C 7/30 TC SR-PVC PVC Unshielded RS-232	5-B
		7540	7/C 7/30 TC SR-PVC PVC O/A Shield Instrumentation	3-B
		7620	7/C 7/30 TC SR-PVC PVC Double O/A Shield RS-232	4-B
	8	0250	4 Pr 7/30 TC PVC PVC O/A Shield PLTC	12-C
		5120	4 Pr 7/30 TC PE PUR Unshld for Cat 5e Ind. Ethernet Cords Black	3-E
		5121	4 Pr 7/30 TC PE PUR Unshld for Cat 5e Ind. Ethernet Cords Blue	3-E
		5122	4 Pr 7/30 TC PE PUR Unshld for Cat 5e Ind. Ethernet Cords Teal	3-E
		5800	4 Pr 7/30 TC PE FR-TPE Unshld TIA Cat 5e Ind. Ethernet Patch Black	8-E
		5801	4 Pr 7/30 TC PE FR-TPE Unshld TIA Cat 5e Ind. Ethernet Patch Blue	8-E
		5802	4 Pr 7/30 TC PE FR-TPE Unshld TIA Cat 5e Ind. Ethernet Patch Teal	8-E
		5908	4 Pr 7/30 TC PO PVC Unshld Category 5e Ind. Ethernet Patch Black	13-E
		5909	4 Pr 7/30 TC PO PVC Unshld Category 5e Ind. Ethernet Patch Blue	13-E
		5910	4 Pr 7/30 TC PO PVC Unshld Category 5e Ind. Ethernet Patch Teal	13-E
		6550	8/C 7/30 TC PVC PVC Unshielded Security	8-B
		7145	8/C 7/30 TC SR-PVC PVC Unshielded RS-232	5-B
		7270	4 Pr 7/30 TC SR-PVC PVC Unshielded Instrumentation	11-C
		7545	8/C 7/30 TC SR-PVC PVC O/A Shield Instrumentation	3-B
		7625	8/C 7/30 TC SR-PVC PVC Double O/A Shield RS-232	4-B
		9784	4 Pr Solid TC Foamed PP PVC Prs Shielded T-1 or xDSL	5-D
		9984	4 Pr Solid TC Foamed PP PVC Prs Shielded E-1 or xDSL	7-D
	9	0706	9/C 7/30 TC PVC PVC Unshielded 600V Control	19-B
		0806	9/C 7/30 TC PVC PVC Shielded 600V Control	21-B
		7150	9/C 7/30 TC SR-PVC PVC Unshielded RS-232	5-B
		7475	9/C Solid BC PVC PVC Unshielded Fire Alarm Black	22-B
		7630	9/C 7/30 TC SR-PVC PVC Double O/A Shield RS-232	4-B

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Coax/ AWG	No. of Cond.	Part Number	Description	Page No.
22	10	6560	10/C 7/30 TC PVC PVC Unshielded Security	8-B
		6565	10/C Solid BC PVC PVC Unshielded Security	8-B
		7155	10/C 7/30 TC SR-PVC PVC Unshielded RS-232	5-B
		7555	10/C 7/30 TC SR-PVC PVC O/A Shield Instrumentation	3-B
		7635	10/C 7/30 TC SR-PVC PVC Double O/A Shield RS-232	4-B
	12	0255	6 Pr 7/30 TC PVC PVC O/A Shield PLTC	12-C
		0807	12/C 7/30 TC PVC PVC Shielded 600V Control	21-B
		6575	12/C 7/30 TC PVC PVC Unshielded Security	8-B
		7160	12/C 7/30 TC SR-PVC PVC Unshielded RS-232	5-B
		7275	6 Pr 7/30 TC SR-PVC PVC Unshielded Instrumentation	11-C
		7405	6 Pr 7/30 TC PE PVC Pairs Shielded Mid-Cap	10-C
		7480	12/C Solid BC PVC PVC Unshielded Fire Alarm Black	22-B
		7560	12/C 7/30 TC SR-PVC PVC O/A Shield Instrumentation	3-B
		9786	6 Pr Solid TC Foamed PP PVC Prs Shielded T-1 or xDSL	5-D
		9986	6 Pr Solid TC Foamed PP PVC Prs Shielded E-1 or xDSL	7-D
	15	6590	15/C 7/30 TC PVC PVC Unshielded Security	8-B
		7165	15/C 7/30 TC SR-PVC PVC Unshielded RS-232	5-B
		7166	15/C 7/30 TC SR-PVC PVC Unshielded RS-232	5-B
		7565	15/C 7/30 TC SR-PVC PVC O/A Shield Instrumentation	3-B
		7640	15/C 7/30 TC SR-PVC PVC Double O/A Shield RS-232	4-B
	16	9788	8 Pr Solid TC Foamed PP PVC Prs Shielded T-1 or xDSL	5-D
		9988	8 Pr Solid TC Foamed PP PVC Prs Shielded E-1 or xDSL	7-D
	18	0260	9 Pr 7/30 TC PVC PVC O/A Shield PLTC	12-C
		7280	9 Pr 7/30 TC SR-PVC PVC Unshielded Instrumentation	11-C
		7410	9 Pr 7/30 TC PE PVC Pairs Shielded Mid-Cap	10-C
	19	0709	19/C 7/30 TC PVC PVC Unshielded 600V Control	19-B
	20	7170	20/C 7/30 TC SR-PVC PVC Unshielded RS-232	5-B
		7171	20/C 7/30 TC SR-PVC PVC Unshielded RS-232	5-B
		7570	20/C 7/30 TC SR-PVC PVC O/A Shield Instrumentation	3-B
	22	0265	11 Pr 7/30 TC PVC PVC O/A Shield PLTC	12-C
		7415	11 Pr 7/30 TC PE PVC Pairs Shielded Mid-Cap	10-C
	24	7285	12 Pr 7/30 TC SR-PVC PVC Unshielded Instrumentation	11-C
		7420	12 Pr 7/30 TC PE PVC Pairs Shielded Mid-Cap	10-C
		9712	12 Pr Solid TC Foamed PP PVC Prs Shielded T-1 or xDSL	5-D
		9912	12 Pr Solid TC Foamed PP PVC Prs Shielded E-1 or xDSL	7-D
	25	7175	25/C 7/30 TC SR-PVC PVC Unshielded RS-232	5-B
		7575	25/C 7/30 TC SR-PVC PVC O/A Shield Instrumentation	3-B
		7645	25/C 7/30 TC SR-PVC PVC Double O/A Shield RS-232	4-B
	30	0270	15 Pr 7/30 TC PVC PVC O/A Shield PLTC	12-C
		7290	15 Pr 7/30 TC SR-PVC PVC Unshielded Instrumentation	11-C
		7425	15 Pr 7/30 TC PE PVC Pairs Shielded Mid-Cap	10-C
		7580	30/C 7/30 TC SR-PVC PVC O/A Shield Instrumentation	3-B

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GENERAL INFORMATION

CABLE FINDER: 22 - 24 AWG

Coax/ AWG	No. of Cond.	Part Number	Description	Page No.
22	34	7430	17 Pr 7/30 TC PE PVC Pairs Shielded Mid-Cap	10-C
	37	7650	37/C 7/30 TC SR-PVC PVC Double O/A Shield RS-232	4-B
	38	0275	19 Pr 7/30 TC PVC PVC O/A Shield PLTC	12-C
		7295	19 Pr 7/30 TC SR-PVC PVC Unshielded Instrumentation	11-C
		7435	19 Pr 7/30 TC PE PVC Pairs Shielded Mid-Cap	10-C
	40	7585	40/C 7/30 TC SR-PVC PVC O/A Shield Instrumentation	3-B
	46	7300	23 Pr 7/30 TC SR-PVC PVC Unshielded Instrumentation	11-C
	50	7590	50/C 7/30 TC SR-PVC PVC O/A Shield Instrumentation	3-B
		7655	50/C 7/30 TC SR-PVC PVC Double O/A Shield RS-232	4-B
	54	0280	27 Pr 7/30 TC PVC PVC O/A Shield PLTC	12-C
		7305	27 Pr 7/30 TC SR-PVC PVC Unshielded Instrumentation	11-C
		7440	27 Pr 7/30 TC PE PVC Pairs Shielded Mid-Cap	10-C
24	2	7195	60/C 7/30 TC SR-PVC PVC Unshielded RS-232	5-B
		7445	37 Pr 7/30 TC PE PVC Pairs Shielded Mid-Cap	10-C
		5100	1 Pr 7/32 TC PE PVC Unshielded TIA/EIA 568B Cat 5e Patch Black	20-D
		5102	1 Pr 7/32 TC PE PVC Unshielded TIA/EIA 568B Cat 5e Patch Red	20-D
		5103	1 Pr 7/32 TC PE PVC Unshielded TIA/EIA 568B Cat 5e Patch Orange	20-D
		5104	1 Pr 7/32 TC PE PVC Unshielded TIA/EIA 568B Cat 5e Patch Yellow	20-D
		5105	1 Pr 7/32 TC PE PVC Unshielded TIA/EIA 568B Cat 5e Patch Green	20-D
		5106	1 Pr 7/32 TC PE PVC Unshielded TIA/EIA 568B Cat 5e Patch Blue	20-D
		5107	1 Pr 7/32 TC PE PVC Unshielded TIA/EIA 568B Cat 5e Patch Violet	20-D
		5108	1 Pr 7/32 TC PE PVC Unshielded TIA/EIA 568B Cat 5e Patch Gray	20-D
		5109	1 Pr 7/32 TC PE PVC Unshielded TIA/EIA 568B Cat 5e Patch White	20-D
		5110	1 Pr 7/32 TC PE PVC Unshielded TIA/EIA 568B Cat 5e Patch Beige	20-D
		5112	1 Pr 7/32 TC PE PVC Unshielded TIA/EIA 568B Cat 5e Patch Pink	20-D
		6201	1 Pr Solid TC Foamed PP PVC Shielded AES/EBU Violet	6-F
		6202	1 Pr Solid TC Foamed PP PVC Shielded AES/EBU Blue	6-F
		6203	1 Pr Solid TC Foamed PP PVC Shielded AES/EBU White	6-F
		6204	1 Pr Solid TC PE PVC Double Shielded T-1	2-D
		8100	2/C 7/32 TC PE PVC O/A Shielded 300V Instrumentation	11-B
	3	8105	1 Pr 7/32 TC SR-PVC PVC O/A Shield RS-232	2-C
		8302	1 Pr 7/32 TC PE PVC Double O/A Shield Low-Cap RS-485	6-C
		8602	1 Pr 7/32 TC Foam PP PVC Pair Shielded Low-Cap RS-422	7-C
		8165	3/C 7/32 TC SR-PVC PVC O/A Shield RS-232	1-B
		8663	3/C 7/32 TC Foam PP PVC Double O/A Shield Low-Cap RS-423	2-B
	4	5000	2 Pr 7/32 TC PE PUR Unshld for Cat 5e Ind. Ethernet Cords Black	3-E
		5006	2 Pr 7/32 TC PE PUR Unshld for Cat 5e Ind. Ethernet Cords Blue	3-E
		5016	2 Pr 7/32 TC PE PUR Unshld for Cat 5e Ind. Ethernet Cords Teal	3-E
		5200	2 Pr 7/32 TC PE PVC Unshielded TIA/EIA 568B Cat 5e Patch Black	15-D
		5202	2 Pr 7/32 TC PE PVC Unshielded TIA/EIA 568B Cat 5e Patch Red	15-D

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Coax/ AWG	No. of Cond.	Part Number	Description	Page No.
24	4	5203	2 Pr 7/32 TC PE PVC Unshielded TIA/EIA 568B Cat 5e Patch Orange	15-D
		5204	2 Pr 7/32 TC PE PVC Unshielded TIA/EIA 568B Cat 5e Patch Yellow	15-D
		5205	2 Pr 7/32 TC PE PVC Unshielded TIA/EIA 568B Cat 5e Patch Green	15-D
		5206	2 Pr 7/32 TC PE PVC Unshielded TIA/EIA 568B Cat 5e Patch Blue	15-D
		5207	2 Pr 7/32 TC PE PVC Unshielded TIA/EIA 568B Cat 5e Patch Violet	15-D
		5208	2 Pr 7/32 TC PE PVC Unshielded TIA/EIA 568B Cat 5e Patch Gray	15-D
		5209	2 Pr 7/32 TC PE PVC Unshielded TIA/EIA 568B Cat 5e Patch White	15-D
		5210	2 Pr 7/32 TC PE PVC Unshielded TIA/EIA 568B Cat 5e Patch Beige	15-D
		5212	2 Pr 7/32 TC PE PVC Unshielded TIA/EIA 568B Cat 5e Patch Pink	15-D
		5770	2 Pr 7/32 TC PE FR-TPE Unshld TIA Cat 5e Ind. Ethernet Patch Black	8-E
		5771	2 Pr 7/32 TC PE FR-TPE Unshld TIA Cat 5e Ind. Ethernet Patch Blue	8-E
		5772	2 Pr 7/32 TC PE FR-TPE Unshld TIA Cat 5e Ind. Ethernet Patch Teal	8-E
		5773	2 Pr 7/32 TC PE FR-TPE Unshld TIA Cat 5e Ind. Ethernet Patch Red	8-E
		5780	2 Pr 7/32 TC PO PVC Unshld TIA Cat 5e Ind. Ethernet Patch Black	13-E
		5781	2 Pr 7/32 TC PO PVC Unshld TIA Cat 5e Ind. Ethernet Patch Blue	13-E
		5782	2 Pr 7/32 TC PO PVC Unshld TIA Cat 5e Ind. Ethernet Patch Teal	13-E
		5783	2 Pr 7/32 TC PO PVC Unshld TIA Cat 5e Ind. Ethernet Patch Red	13-E
		6206	2 Pr Solid TC PO PVC Shielded T-1	3-D
		8110	2 Pr 7/32 TC SR-PVC PVC O/A Shield RS-232	2-C
		8170	4/C 7/32 TC SR-PVC PVC O/A Shield RS-232	1-B
		8304	2 Pr 7/32 TC PE PVC Double O/A Shield Low-Cap RS-485	5-C
		8490	4/C 42/40 BC PE PVC O/A Braid Shield Microphone or MIDI Black	4-F
		8492	4/C 42/40 BC PE PVC O/A Braid Shield Microphone or MIDI Red	4-F
		8494	4/C 42/40 BC PE PVC O/A Braid Shield Microphone or MIDI Yellow	4-F
		8495	4/C 42/40 BC PE PVC O/A Braid Shield Microphone or MIDI Green	4-F
		8496	4/C 42/40 BC PE PVC O/A Braid Shield Microphone or MIDI Blue	4-F
		8498	4/C 42/40 BC PE PVC O/A Braid Shield Microphone or MIDI Gray	4-F
		8504	2 Pr 7/32 TC PE PVC O/A Shield Low-Cap RS-232	5-C
		8604	2 Pr 7/32 TC Foam PP PVC Pairs Shielded Low-Cap RS-422	7-C
		8664	4/C 7/32 TC Foam PP PVC Double O/A Shield Low-Cap RS-423	2-B
		8710	2 Pr 7/32 TC SR-PVC PVC Double O/A Shield RS-232	3-C
		8804	2 Pr 7/32 TC PE PVC Double O/A Shield Mid-Cap RS-422	4-C
		8904	2 Pr 7/32 TC PE PVC Prs Shielded/Jacketed Audio Snake Cable	8-C
		9464	2 Pr Solid BC PO PVC O/A Shield Category 5 Horizontal Beige	14-D
		9755	2 Pr Solid BC Compos Insul PVC Prs Shielded Shotgun T-1 or xDSL	4-D
		9770	2 Pr Solid TC Compos Insul PVC Prs Shielded T-1 or xDSL	1-D
		9928	2 Pr Solid TC Comp Insul PVC Prs Shld Oval E-1 or xDSL Beige	6-D
		9945	2 Pr Solid TC Comp Insul PVC Prs Shld Shotgun E-1 or xDSL Green	6-D
	5	8175	5/C 7/32 TC SR-PVC PVC O/A Shield RS-232	1-B
		8505	2-1/2 Pr 7/32 TC PE PVC O/A Shield Low-Cap RS-232	5-C
		8665	5/C 7/32 TC Foam PP PVC Double O/A Shield Low-Cap RS-423	2-B
	6	5310	3 Pr 7/32 TC PE PVC Unshlded Cat 5 Patch TIA/EIA 568B Beige	13-D
		8115	3 Pr 7/32 TC SR-PVC PVC O/A Shield RS-232	2-C
		8180	6/C 7/32 TC SR-PVC PVC O/A Shield RS-232	1-B
		8306	3 Pr 7/32 TC PE PVC Double O/A Shield Low-Cap RS-485	6-C
		8506	3 Pr 7/32 TC PE PVC O/A Shield Low-Cap RS-232	5-C
		8606	3 Pr 7/32 TC Foam PP PVC Pairs Shielded Low-Cap RS-422	7-C
		8666	6/C 7/32 TC Foam PP PVC Double O/A Shield Low-Cap RS-423	2-B
		8715	3 Pr 7/32 TC SR-PVC PVC Double O/A Shield RS-232	3-C
		8806	3 Pr 7/32 TC PE PVC Double O/A Shield Mid-Cap RS-422	4-C
		9466	3 Pr Solid BC PE PVC O/A Shield Category 5 Horizontal Beige	14-D

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GENERAL INFORMATION

CABLE FINDER: 24 AWG

Coax/ AWG	No. of Cond.	Part Number	Description	Page No.
24	7	8185	7/C 7/32 TC SR-PVC PVC O/A Shield RS-232	1-B
		8507	3-1/2 Pr 7/32 TC PE PVC O/A Shield Low-Cap RS-232	5-C
		8667	7/C 7/32 TC Foam PP PVC Double O/A Shield Low-Cap RS-423	2-B
	8	1200	4 Pr 7/32 TC PE LSZH Unshld ISO 11801Class D, Cat 5e Patch Blk	23-D
		1201	4 Pr 7/32 TC PE LSZH Unshld ISO 11801Class D, Cat 5e Patch Brn	23-D
		1202	4 Pr 7/32 TC PE LSZH Unshld ISO 11801Class D, Cat 5e Patch Red	23-D
		1203	4 Pr 7/32 TC PE LSZH Unshld ISO 11801Class D, Cat 5e Patch Org	23-D
		1204	4 Pr 7/32 TC PE LSZH Unshld ISO 11801Class D, Cat 5e Patch Yel	23-D
		1205	4 Pr 7/32 TC PE LSZH Unshld ISO 11801Class D, Cat 5e Patch Grn	23-D
		1206	4 Pr 7/32 TC PE LSZH Unshld ISO 11801Class D, Cat 5e Patch Blu	23-D
		1207	4 Pr 7/32 TC PE LSZH Unshld ISO 11801Class D, Cat 5e Patch Vio	23-D
		1208	4 Pr 7/32 TC PE LSZH Unshld ISO 11801Class D, Cat 5e Patch Gray	23-D
		1209	4 Pr 7/32 TC PE LSZH Unshld ISO 11801Class D, Cat 5e Patch Wht	23-D
		1210	4 Pr 7/32 TC PE LSZH Unshld ISO 11801Class D, Cat 5e Patch Bge	23-D
		1212	4 Pr 7/32 TC PE LSZH Unshld ISO 11801Class D, Cat 5e Patch Pink	23-D
		1215	4 Pr 7/32 TC PE LSZH Unshld ISO 11801Class D, Cat 5e Patch Lime	23-D
		1300	4 Pr 7/32 TC PE LSZH Unshld ISO 11801Class E, TIA Cat 6 Patch Blk	26-D
		1301	4 Pr 7/32 TC PE LSZH Unshld ISO 11801Class E, TIA Cat 6 Patch Brn	26-D
		1302	4 Pr 7/32 TC PE LSZH Unshld ISO 11801Class E, TIA Cat 6 Patch Red	26-D
		1303	4 Pr 7/32 TC PE LSZH Unshld ISO 11801Class E, TIA Cat 6 Patch Org	26-D
		1304	4 Pr 7/32 TC PE LSZH Unshld ISO 11801Class E, TIA Cat 6 Patch Yel	26-D
		1305	4 Pr 7/32 TC PE LSZH Unshld ISO 11801Class E, TIA Cat 6 Patch Grn	26-D
		1306	4 Pr 7/32 TC PE LSZH Unshld ISO 11801Class E, TIA Cat 6 Patch Blu	26-D
		1307	4 Pr 7/32 TC PE LSZH Unshld ISO 11801Class E, TIA Cat 6 Patch Vio	26-D
		1308	4 Pr 7/32 TC PE LSZH Unshld ISO 11801Class E, TIA Cat 6 Patch Gry	26-D
		1309	4 Pr 7/32 TC PE LSZH Unshld ISO 11801Class E, TIA Cat 6 Patch Wht	26-D
		1310	4 Pr 7/32 TC PE LSZH Unshld ISO 11801Class E, TIA Cat 6 Patch Bge	26-D
		1312	4 Pr 7/32 TC PE LSZH Unshld ISO 11801Class E, TIA Cat 6 Patch Pnk	26-D
		1500	4 Pr 7/32 TC PE Dual PVC Shielded Cat 6A Patch Black	31-D
		1501	4 Pr 7/32 TC PE Dual PVC Shielded Cat 6A Patch Brown	31-D
		1502	4 Pr 7/32 TC PE Dual PVC Shielded Cat 6A Patch Red	31-D
		1503	4 Pr 7/32 TC PE Dual PVC Shielded Cat 6A Patch Orange	31-D
		1504	4 Pr 7/32 TC PE Dual PVC Shielded Cat 6A Patch Yellow	31-D
		1505	4 Pr 7/32 TC PE Dual PVC Shielded Cat 6A Patch Green	31-D
		1506	4 Pr 7/32 TC PE Dual PVC Shielded Cat 6A Patch Blue	31-D
		1507	4 Pr 7/32 TC PE Dual PVC Shielded Cat 6A Patch Violet	31-D
		1508	4 Pr 7/32 TC PE Dual PVC Shielded Cat 6A Patch Gray	31-D
		1509	4 Pr 7/32 TC PE Dual PVC Shielded Cat 6A Patch White	31-D
		1510	4 Pr 7/32 TC PE Dual PVC Shielded Cat 6A Patch Beige	31-D
		1512	4 Pr 7/32 TC PE Dual PVC Shielded Cat 6A Patch Pink	31-D
		1600	4 Pr 7/32 TC PE Dual PVC Unshld Cat 6A Patch Black	29-D
		1601	4 Pr 7/32 TC PE Dual PVC Unshld Cat 6A Patch Brown	29-D
		1602	4 Pr 7/32 TC PE Dual PVC Unshld Cat 6A Patch Red	29-D
		1603	4 Pr 7/32 TC PE Dual PVC Unshld Cat 6A Patch Orange	29-D
		1604	4 Pr 7/32 TC PE Dual PVC Unshld Cat 6A Patch Yellow	29-D
		1605	4 Pr 7/32 TC PE Dual PVC Unshld Cat 6A Patch Green	29-D
		1606	4 Pr 7/32 TC PE Dual PVC Unshld Cat 6A Patch Blue	29-D
		1607	4 Pr 7/32 TC PE Dual PVC Unshld Cat 6A Patch Violet	29-D
		1608	4 Pr 7/32 TC PE Dual PVC Unshld Cat 6A Patch Gray	29-D
		1609	4 Pr 7/32 TC PE Dual PVC Unshld Cat 6A Patch White	29-D

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Coax/ AWG	No. of Cond.	Part Number	Description	Page No.
24	8	1610	4 Pr 7/32 TC PE Dual PVC Unshld Cat 6A Patch Beige	29-D
		1612	4 Pr 7/32 TC PE Dual PVC Unshld Cat 6A Patch Pink	29-D
		2000	4 Pr Solid BC PO PVC Unshld Small OD TIA Cat 6 Horizontal Blk	27-D
		2001	4 Pr Solid BC PO PVC Unshld Small OD TIA Cat 6 Horizontal Brn	27-D
		2002	4 Pr Solid BC PO PVC Unshld Small OD TIA Cat 6 Horizontal Red	27-D
		2003	4 Pr Solid BC PO PVC Unshld Small OD TIA Cat 6 Horizontal Org	27-D
		2004	4 Pr Solid BC PO PVC Unshld Small OD TIA Cat 6 Horizontal Yel	27-D
		2005	4 Pr Solid BC PO PVC Unshld Small OD TIA Cat 6 Horizontal Grn	27-D
		2006	4 Pr Solid BC PO PVC Unshld Small OD TIA Cat 6 Horizontal Blu	27-D
		2007	4 Pr Solid BC PO PVC Unshld Small OD TIA Cat 6 Horizontal Vio	27-D
		2008	4 Pr Solid BC PO PVC Unshld Small OD TIA Cat 6 Horizontal Gry	27-D
		2009	4 Pr Solid BC PO PVC Unshld Small OD TIA Cat 6 Horizontal Wht	27-D
		2010	4 Pr Solid BC PO PVC Unshld Small OD TIA Cat 6 Horizontal Bge	27-D
		2012	4 Pr Solid BC PO PVC Unshld Small OD TIA Cat 6 Horizontal Pnk	27-D
		2015	4 Pr Solid BC PO PVC Unshld Small OD TIA Cat 6 Horizontal Lime	27-D
		2200	4 Pr 7/32 TC PE PVC Unshld ISO 11801 Class E, TIA Cat 6 Patch Blk	24-D
		2200B	4 Pr 7/32 TC PE PVC Unshld ISO 11801 Class E, TIA Cat 6 Patch Blk	25-D
		2201	4 Pr 7/32 TC PE PVC Unshld ISO 11801 Class E, TIA Cat 6 Patch Brn	24-D
		2201B	4 Pr 7/32 TC PE PVC Unshld ISO 11801 Class E, TIA Cat 6 Patch Brn	25-D
		2202	4 Pr 7/32 TC PE PVC Unshld ISO 11801 Class E, TIA Cat 6 Patch Red	24-D
		2202B	4 Pr 7/32 TC PE PVC Unshld ISO 11801 Class E, TIA Cat 6 Patch Red	25-D
		2203	4 Pr 7/32 TC PE PVC Unshld ISO 11801 Class E, TIA Cat 6 Patch Org	24-D
		2203B	4 Pr 7/32 TC PE PVC Unshld ISO 11801 Class E, TIA Cat 6 Patch Org	25-D
		2204	4 Pr 7/32 TC PE PVC Unshld ISO 11801 Class E, TIA Cat 6 Patch Yel	24-D
		2204B	4 Pr 7/32 TC PE PVC Unshld ISO 11801 Class E, TIA Cat 6 Patch Yel	25-D
		2205	4 Pr 7/32 TC PE PVC Unshld ISO 11801 Class E, TIA Cat 6 Patch Grn	24-D
		2205B	4 Pr 7/32 TC PE PVC Unshld ISO 11801 Class E, TIA Cat 6 Patch Grn	25-D
		2206	4 Pr 7/32 TC PE PVC Unshld ISO 11801 Class E, TIA Cat 6 Patch Blu	24-D
		2206B	4 Pr 7/32 TC PE PVC Unshld ISO 11801 Class E, TIA Cat 6 Patch Blu	25-D
		2207	4 Pr 7/32 TC PE PVC Unshld ISO 11801 Class E, TIA Cat 6 Patch Vio	24-D
		2207B	4 Pr 7/32 TC PE PVC Unshld ISO 11801 Class E, TIA Cat 6 Patch Vio	25-D
		2208	4 Pr 7/32 TC PE PVC Unshld ISO 11801 Class E, TIA Cat 6 Patch Gry	24-D
		2208B	4 Pr 7/32 TC PE PVC Unshld ISO 11801 Class E, TIA Cat 6 Patch Gry	25-D
		2209	4 Pr 7/32 TC PE PVC Unshld ISO 11801 Class E, TIA Cat 6 Patch Wht	24-D
		2209B	4 Pr 7/32 TC PE PVC Unshld ISO 11801 Class E, TIA Cat 6 Patch Wht	25-D
		2210	4 Pr 7/32 TC PE PVC Unshld ISO 11801 Class E, TIA Cat 6 Patch Bge	24-D
		2210B	4 Pr 7/32 TC PE PVC Unshld ISO 11801 Class E, TIA Cat 6 Patch Bge	25-D
		2212	4 Pr 7/32 TC PE PVC Unshld ISO 11801 Class E, TIA Cat 6 Patch Pnk	24-D
		2212B	4 Pr 7/32 TC PE PVC Unshld ISO 11801 Class E, TIA Cat 6 Patch Pnk	25-D
		5400	4 Pr 7/32 TC PE PVC Unshld Cat 5e Patch TIA/EIA 568B Black	16-D
		5402	4 Pr 7/32 TC PE PVC Unshld Cat 5e Patch TIA/EIA 568B Red	16-D
		5403	4 Pr 7/32 TC PE PVC Unshld Cat 5e Patch TIA/EIA 568B Orange	16-D
		5404	4 Pr 7/32 TC PE PVC Unshld Cat 5e Patch TIA/EIA 568B Yellow	16-D
		5405	4 Pr 7/32 TC PE PVC Unshld Cat 5e Patch TIA/EIA 568B Green	16-D
		5406	4 Pr 7/32 TC PE PVC Unshld Cat 5e Patch TIA/EIA 568B Blue	16-D
		5407	4 Pr 7/32 TC PE PVC Unshld Cat 5e Patch TIA/EIA 568B Violet	16-D
		5408	4 Pr 7/32 TC PE PVC Unshld Cat 5e Patch TIA/EIA 568B Gray	16-D
		5409	4 Pr 7/32 TC PE PVC Unshld Cat 5e Patch TIA/EIA 568B White	16-D
		5410	4 Pr 7/32 TC PE PVC Unshld Cat 5e Patch TIA/EIA 568B Beige	16-D
		5412	4 Pr 7/32 TC PE PVC Unshld Cat 5e Patch TIA/EIA 568B Pink	16-D
		5500	4 Pr 7/32 TC PE PVC Unshld 350 MHz TIA Cat 5e Patch Black	21-D
		5501	4 Pr 7/32 TC PE PVC Unshld 350 MHz TIA Cat 5e Patch Brown	21-D
		5502	4 Pr 7/32 TC PE PVC Unshld 350 MHz TIA Cat 5e Patch Red	21-D
		5503	4 Pr 7/32 TC PE PVC Unshld 350 MHz TIA Cat 5e Patch Orange	21-D

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Coax/ AWG	No. of Cond.	Part Number	Description	Page No.
24	8	5504	4 Pr 7/32 TC PE PVC Unshld 350 MHz TIA Cat 5e Patch Yellow	21-D
		5505	4 Pr 7/32 TC PE PVC Unshld 350 MHz TIA Cat 5e Patch Green	21-D
		5506	4 Pr 7/32 TC PE PVC Unshld 350 MHz TIA Cat 5e Patch Blue	21-D
		5507	4 Pr 7/32 TC PE PVC Unshld 350 MHz TIA Cat 5e Patch Violet	21-D
		5508	4 Pr 7/32 TC PE PVC Unshld 350 MHz TIA Cat 5e Patch Gray	21-D
		5509	4 Pr 7/32 TC PE PVC Unshld 350 MHz TIA Cat 5e Patch White	21-D
		5510	4 Pr 7/32 TC PE PVC Unshld 350 MHz TIA Cat 5e Patch Beige	21-D
		5512	4 Pr 7/32 TC PE PVC Unshld 350 MHz TIA Cat 5e Patch Pink	21-D
		5515	4 Pr 7/32 TC PE PVC Unshld 350 MHz TIA Cat 5e Patch Lime	21-D
		5700	4 Pr 7/32 TC PE PUR Unshld for Cat 5e Ind. Ethernet Cords Black	3-E
		5706	4 Pr 7/32 TC PE PUR Unshld for Cat 5e Ind. Ethernet Cords Blue	3-E
		5716	4 Pr 7/32 TC PE PUR Unshld for Cat 5e Ind. Ethernet Cords Teal	3-E
		5750	4 Pr 7/32 TC PE FR-TPE Unshld TIA Cat 5e Ind. Ethernet Patch Black	8-E
		5751	4 Pr 7/32 TC PE FR-TPE Unshld TIA Cat 5e Ind. Ethernet Patch Blue	8-E
		5752	4 Pr 7/32 TC PE FR-TPE Unshld TIA Cat 5e Ind. Ethernet Patch Teal	8-E
		5753	4 Pr 7/32 TC PE FR-TPE Unshld TIA Cat 5e Ind. Ethernet Patch Red	8-E
		5915	4 Pr 7/32 TC PO PVC Unshld Cat 5e Industrial Ethernet Patch Black	13-E
		5916	4 Pr 7/32 TC PO PVC Unshld Cat 5e Industrial Ethernet Patch Teal	13-E
		5917	4 Pr 7/32 TC PO PVC Unshld Cat 5e Industrial Ethernet Patch Blue	13-E
		5918	4 Pr 7/32 TC PO PVC Unshld Cat 5e Industrial Ethernet Patch Red	13-E
		8120	4 Pr 7/32 TC SR-PVC PVC O/A Shield RS-232	2-C
		8190	8/C 7/32 TC SR-PVC PVC O/A Shield RS-232	1-B
		8308	4 Pr 7/32 TC PE PVC Double O/A Shield Low-Cap RS-485	6-C
		8508	4 Pr 7/32 TC PE PVC O/A Shield Low-Cap RS-232	5-C
		8608	4 Pr 7/32 TC Foam PP PVC Pairs Shielded Low-Cap RS-422	7-C
		8668	8/C 7/32 TC Foam PP PVC Double O/A Shield Low-Cap RS-423	2-B
		8720	4 Pr 7/32 TC SR-PVC PVC Double O/A Shield RS-232	3-C
		8808	4 Pr 7/32 TC PE PVC Double O/A Shield Mid-Cap RS-422	4-C
		8908	4 Pr 7/32 TC PE PVC Prs Shielded/Jacketed Audio Snake Cable	8-C
		9400	4 Pr Solid BC PE PVC Unshld 350 MHz Category 5e Horizontal Yellow	22-D
		9401	4 Pr Solid BC PE PVC Unshld 350 MHz Category 5e Horizontal Brown	22-D
		9402	4 Pr Solid BC PE PVC Unshld 350 MHz Category 5e Horizontal Red	22-D
		9403	4 Pr Solid BC PE PVC Unshld 350 MHz Category 5e Horizontal Orange	22-D
		9405	4 Pr Solid BC PE PVC Unshld 350 MHz Category 5e Horizontal Green	22-D
		9407	4 Pr Solid BC PE PVC Unshld 350 MHz Category 5e Horizontal Violet	22-D
		9410	4 Pr Solid BC PE PVC Unshld 350 MHz Category 5e Horizontal Beige	22-D
		9411	4 Pr Solid BC PE PVC Unshld 350 MHz Category 5e Horizontal Pink	22-D
		9413	4 Pr Solid BC PE PVC Unshld 350 MHz Category 5e Horizontal Lime	22-D
		9415	4 Pr Solid BC PO FR-TPE Unshld Industrial Ethernet Horizontal Teal	9-E
		9469	4 Pr Solid BC PE PVC Unshld 350 MHz Category 5e Horizontal Blue	22-D
		9489	4 Pr Solid BC PE PVC Unshld 350 MHz Category 5e Horizontal Gray	22-D
		9499	4 Pr Solid BC PE PVC Unshld 350 MHz Category 5e Horizontal White	22-D
	9	8195	9/C 7/32 TC SR-PVC PVC O/A Shield RS-232	1-B
		8309	4-1/2 Pr 7/32 TC PE PVC Double O/A Shield Low-Cap RS-485	6-C
		8509	4-1/2 Pr 7/32 TC PE PVC O/A Shield Low-Cap RS-232	5-C
		8669	9/C 7/32 TC Foam PP PVC Double O/A Shield Low-Cap RS-423	2-B
	10	8125	5 Pr 7/32 TC SR-PVC PVC O/A Shield RS-232	2-C
		8200	10/C 7/32 TC SR-PVC PVC O/A Shield RS-232	1-B
		8510	5 Pr 7/32 TC PE PVC O/A Shield Low-Cap RS-232	5-C
		8670	10/C 7/32 TC Foam PP PVC Double O/A Shield Low-Cap RS-423	2-B
		8725	5 Pr 7/32 TC SR-PVC PVC Double O/A Shield RS-232	3-C
		8810	5 Pr 7/32 TC PE PVC Double O/A Shield Mid-Cap RS-422	4-C

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Coax/ AWG	No. of Cond.	Part Number	Description	Page No.
24	12	8130	6 Pr 7/32 TC SR-PVC PVC O/A Shield RS-232	2-C
		8202	12/C 7/32 TC SR-PVC PVC O/A Shield RS-232	1-B
		8312	6 Pr 7/32 TC PE PVC Double O/A Shield Low-Cap RS-485	6-C
		8512	6 Pr 7/32 TC PE PVC O/A Shield Low-Cap RS-232	5-C
		8612	6 Pr 7/32 TC Foam PP PVC Pairs Shielded Low-Cap RS-422	7-C
		8730	6 Pr 7/32 TC SR-PVC PVC Double O/A Shield RS-232	3-C
		8812	6 Pr 7/32 TC PE PVC Double O/A Shield Mid-Cap RS-422	4-C
		8912	6 Pr 7/32 TC PE PVC Prs Shielded/Jacketed Audio Snake Cable	8-C
	14	8135	7 Pr 7/32 TC SR-PVC PVC O/A Shield RS-232	2-C
		8514	7 Pr 7/32 TC PE PVC O/A Shield Low-Cap RS-232	5-C
		8735	7 Pr 7/32 TC SR-PVC PVC Double O/A Shield RS-232	3-C
		8814	7 Pr 7/32 TC PE PVC Double O/A Shield Mid-Cap RS-422	4-C
	15	8205	15/C 7/32 TC SR-PVC PVC O/A Shield RS-232	1-B
		8315	7-1/2 Pr 7/32 TC PE PVC Double O/A Shield Low-Cap RS-485	6-C
		8515	7-1/2 Pr 7/32 TC PE PVC O/A Shield Low-Cap RS-232	5-C
	16	8138	8 Pr 7/32 TC SR-PVC PVC O/A Shield RS-232	2-C
		8738	8 Pr 7/32 TC SR-PVC PVC Double O/A Shield RS-232	3-C
		8916	8 Pr 7/32 TC PE PVC Prs Shielded/Jacketed Audio Snake Cable	8-C
	18	8140	9 Pr 7/32 TC SR-PVC PVC O/A Shield RS-232	2-C
		8318	9 Pr 7/32 TC PE PVC Double O/A Shield Low-Cap RS-485	6-C
		8518	9 Pr 7/32 TC PE PVC O/A Shield Low-Cap RS-232	5-C
		8618	9 Pr 7/32 TC Foam PP PVC Pairs Shielded Low-Cap RS-422	7-C
		8818	9 Pr 7/32 TC PE PVC Double O/A Shield Mid-Cap RS-422	4-C
	20	8141	10 Pr 7/32 TC SR-PVC PVC O/A Shield RS-232	2-C
		8210	20/C 7/32 TC SR-PVC PVC O/A Shield RS-232	1-B
		8741	10 Pr 7/32 TC SR-PVC PVC Double O/A Shield RS-232	3-C
		8820	10 Pr 7/32 TC PE PVC Double O/A Shield Mid-Cap RS-422	4-C
	22	8622	11 Pr 7/32 TC Foam PP PVC Pairs Shielded Low-Cap RS-422	7-C
	24	8524	12 Pr 7/32 TC PE PVC O/A Shield Low-Cap RS-232	5-C
		8624	12 Pr 7/32 TC Foam PP PVC Pairs Shielded Low-Cap RS-422	7-C
		8824	12 Pr 7/32 TC PE PVC Double O/A Shield Mid-Cap RS-422	4-C
		8924	12 Pr 7/32 TC PE PVC Prs Shielded/Jacketed Audio Snake Cable	8-C
	25	8215	25/C 7/32 TC SR-PVC PVC O/A Shield RS-232	1-B
		8325	12-1/2 Pr 7/32 TC PE PVC Double O/A Shield Low-Cap RS-485	6-C
		8525	12-1/2 Pr 7/32 TC PE PVC O/A Shield Low-Cap RS-232	5-C
		8742	12-1/2 Pr 7/32 TC SR-PVC PVC Double O/A Shield RS-232	3-C
	30	8145	15 Pr 7/32 TC SR-PVC PVC O/A Shield RS-232	2-C
		8216	30/C 7/32 TC SR-PVC PVC O/A Shield RS-232	1-B
		8630	15 Pr 7/32 TC Foam PP PVC Pairs Shielded Low-Cap RS-422	7-C
		8745	15 Pr 7/32 TC SR-PVC PVC Double O/A Shield RS-232	3-C
	32	8932	16 Pr 7/32 TC PE PVC Prs Shielded/Jacketed Audio Snake Cable	8-C
	34	8634	17 Pr 7/32 TC Foam PP PVC Pairs Shielded Low-Cap RS-422	7-C

(continued)

GENERAL INFORMATION

CABLE FINDER: 24 & 26 AWG

Coax/ AWG	No. of Cond.	Part Number	Description	Page No.
24	36	8748	18 Pr 7/32 TC SR-PVC PVC Double O/A Shield RS-232	3-C
	37	8220	37/C 7/32 TC SR-PVC PVC O/A Shield RS-232	1-B
		8537	18-1/2 Pr 7/32 TC PE PVC O/A Shield Low-Cap RS-232	5-C
	38	8150	19 Pr 7/32 TC SR-PVC PVC O/A Shield RS-232	2-C
		8638	19 Pr 7/32 TC Foam PP PVC Pairs Shielded Low-Cap RS-422	7-C
	40	8223	40/C 7/32 TC SR-PVC PVC O/A Shield RS-232	1-B
	48	8948	24 Pr 7/32 TC PE PVC Prs Shielded/Jacketed Audio Snake Cable	8-C
	50	8155	25 Pr 7/32 TC SR-PVC PVC O/A Shield RS-232	2-C
		8225	50/C 7/32 TC SR-PVC PVC O/A Shield RS-232	1-B
		8755	25 Pr 7/32 TC SR-PVC PVC Double O/A Shield RS-232	3-C
	54	8654	27 Pr 7/32 TC Foam PP PVC Pairs Shielded Low-Cap RS-422	7-C
	100	8158	50 Pr 7/32 TC SR-PVC PVC O/A Shield RS-232	2-C
26	4	5030	2 Pr 7/34 TC PO PVC Shielded Cat 5e Indust. Ethernet Black	14-E
		5031	2 Pr 7/34 TC PO PVC Shielded Cat 5e Indust. Ethernet Blue	14-E
		5032	2 Pr 7/34 TC PO PVC Shielded Cat 5e Indust. Ethernet Teal	14-E
		5035	2 Pr 7/34 TC PO FR-TPE Shielded Cat 5e Indust. Ethernet Black	10-E
		5036	2 Pr 7/34 TC PO FR-TPE Shielded Cat 5e Indust. Ethernet Blue	10-E
		5037	2 Pr 7/34 TC PO FR-TPE Shielded Cat 5e Indust. Ethernet Teal	10-E
		5038	2 Pr 7/34 TC PO FR-TPE Shielded Cat 5e Indust. Ethernet Red	10-E
		5040	2 Pr 7/34 TC PO PUR Shielded Cat 5e Indust. Ethernet Black	4-E
		5041	2 Pr 7/34 TC PO PUR Shielded Cat 5e Indust. Ethernet Blue	4-E
		5042	2 Pr 7/34 TC PO PUR Shielded Cat 5e Indust. Ethernet Teal	4-E
		5050	2 Pr 7/34 TC PO FR-TPE Dbl Shielded Cat 5e Indust. Ethernet Black	11-E
		5051	2 Pr 7/34 TC PO FR-TPE Dbl Shielded Cat 5e Indust. Ethernet Blue	11-E
		5052	2 Pr 7/34 TC PO FR-TPE Dbl Shielded Cat 5e Indust. Ethernet Teal	11-E
		5055	2 Pr 7/34 TC PO PUR Dbl Shielded Cat 5e Indust. Ethernet Black	5-E
		5056	2 Pr 7/34 TC PO PUR Dbl Shielded Cat 5e Indust. Ethernet Blue	5-E
		5057	2 Pr 7/34 TC PO PUR Dbl Shielded Cat 5e Indust. Ethernet Teal	5-E
		5060	2 Pr 7/34 TC PO PVC Dbl Shielded Cat 5e Indust. Ethernet Black	15-E
		5061	2 Pr 7/34 TC PO PVC Dbl Shielded Cat 5e Indust. Ethernet Blue	15-E
		5062	2 Pr 7/34 TC PO PVC Dbl Shielded Cat 5e Indust. Ethernet Teal	15-E
		9304	2 Pr 7/34 TC PVC PVC Unshielded Category 3 Patch	12-D
		9604	2 Pr 7/34 TC PO PVC Shielded Category 5 Beige	17-D
		9705	2 Pr 7/34 TC Compos Insul PVC O/A Shield 150 Ohm IBM Type 6	11-D
		9760	2 Pr 7/34 TC Compos Insul PVC Prs Shielded T-1 or xDSL	1-D
	6	9306	3 Pr 7/34 TC PVC PVC Unshielded Category 3 Patch	12-D
	8	2510	4 Pr 7/34 TC PO PVC Double Shielded Category 5e Patch Blue	18-D
		2511	4 Pr 7/34 TC PO PVC Double Shielded Category 5e Patch White	18-D
		2512	4 Pr 7/34 TC PO PVC Double Shielded Category 5e Patch Beige	18-D
		2513	4 Pr 7/34 TC PO PVC Double Shielded Category 5e Patch Gray	18-D
		2800	4 Pr 7/34 TC PO LSZH Shlded ISO 11801Class D, Cat 5e Patch Blk	19-D
		2801	4 Pr 7/34 TC PO LSZH Shlded ISO 11801Class D, Cat 5e Patch Brn	19-D
		2802	4 Pr 7/34 TC PO LSZH Shlded ISO 11801Class D, Cat 5e Patch Red	19-D

(continued)

Coax/ AWG	No. of Cond.	Part Number	Description	Page No.
26	8	2803	4 Pr 7/34 TC PO LSZH Shlded ISO 11801Class D, Cat 5e Patch Orng	19-D
		2804	4 Pr 7/34 TC PO LSZH Shlded ISO 11801Class D, Cat 5e Patch Yellow	19-D
		2805	4 Pr 7/34 TC PO LSZH Shlded ISO 11801Class D, Cat 5e Patch Grn	19-D
		2806	4 Pr 7/34 TC PO LSZH Shlded ISO 11801Class D, Cat 5e Patch Blue	19-D
		2807	4 Pr 7/34 TC PO LSZH Shlded ISO 11801Class D, Cat 5e Patch Violet	19-D
		2808	4 Pr 7/34 TC PO LSZH Shlded ISO 11801Class D, Cat 5e Patch Gray	19-D
		2809	4 Pr 7/34 TC PO LSZH Shlded ISO 11801Class D, Cat 5e Patch White	19-D
		2810	4 Pr 7/34 TC PO LSZH Shlded ISO 11801Class D, Cat 5e Patch Beige	19-D
		2900	4 Pr 7/34 TC PO PVC Shlded ISO 11801Class D, Cat 5e Patch Black	17-D
		2901	4 Pr 7/34 TC PO PVC Shlded ISO 11801Class D, Cat 5e Patch Brown	17-D
		2902	4 Pr 7/34 TC PO PVC Shlded ISO 11801Class D, Cat 5e Patch Red	17-D
		2903	4 Pr 7/34 TC PO PVC Shlded ISO 11801Class D, Cat 5e Patch Orange	17-D
		2904	4 Pr 7/34 TC PO PVC Shlded ISO 11801Class D, Cat 5e Patch Yellow	17-D
		2905	4 Pr 7/34 TC PO PVC Shlded ISO 11801Class D, Cat 5e Patch Green	17-D
		2906	4 Pr 7/34 TC PO PVC Shlded ISO 11801Class D, Cat 5e Patch Blue	17-D
		2907	4 Pr 7/34 TC PO PVC Shlded ISO 11801Class D, Cat 5e Patch Violet	17-D
		2908	4 Pr 7/34 TC PO PVC Shlded ISO 11801Class D, Cat 5e Patch Gray	17-D
		2909	4 Pr 7/34 TC PO PVC Shlded ISO 11801Class D, Cat 5e Patch White	17-D
		2910	4 Pr 7/34 TC PO PVC Shlded ISO 11801Class D, Cat 5e Patch Beige	17-D
		2930	4 Pr 7/34 TC PO PVC Shielded Category 6 Patch Black	28-D
		2931	4 Pr 7/34 TC PO PVC Shielded Category 6 Patch Brown	28-D
		2932	4 Pr 7/34 TC PO PVC Shielded Category 6 Patch Red	28-D
		2933	4 Pr 7/34 TC PO PVC Shielded Category 6 Patch Orange	28-D
		2934	4 Pr 7/34 TC PO PVC Shielded Category 6 Patch Yellow	28-D
		2935	4 Pr 7/34 TC PO PVC Shielded Category 6 Patch Green	28-D
		2936	4 Pr 7/34 TC PO PVC Shielded Category 6 Patch Blue	28-D
		2937	4 Pr 7/34 TC PO PVC Shielded Category 6 Patch Violet	28-D
		2938	4 Pr 7/34 TC PO PVC Shielded Category 6 Patch Gray	28-D
		2939	4 Pr 7/34 TC PO PVC Shielded Category 6 Patch White	28-D
		2940	4 Pr 7/34 TC PO PVC Shielded Category 6 Patch Beige	28-D
		2941	4 Pr 7/34 TC PO PVC Shielded Category 6 Patch Pink	28-D
		2942	4 Pr 7/34 TC PE PVC Shielded Cat 6A Patch Black	32-D
		2943	4 Pr 7/34 TC PE PVC Shielded Cat 6A Patch Brown	32-D
		2944	4 Pr 7/34 TC PE PVC Shielded Cat 6A Patch Red	32-D
		2945	4 Pr 7/34 TC PE PVC Shielded Cat 6A Patch Orange	32-D
		2946	4 Pr 7/34 TC PE PVC Shielded Cat 6A Patch Yellow	32-D
		2947	4 Pr 7/34 TC PE PVC Shielded Cat 6A Patch Green	32-D
		2948	4 Pr 7/34 TC PE PVC Shielded Cat 6A Patch Blue	32-D
		2949	4 Pr 7/34 TC PE PVC Shielded Cat 6A Patch Violet	32-D
		2950	4 Pr 7/34 TC PE PVC Shielded Cat 6A Patch Gray	32-D
		2951	4 Pr 7/34 TC PE PVC Shielded Cat 6A Patch White	32-D
		2952	4 Pr 7/34 TC PE PVC Shielded Cat 6A Patch Beige	32-D
		2953	4 Pr 7/34 TC PE PVC Shielded Cat 6A Patch Pink	32-D
		2954	4 Pr 7/34 TC PE Dual PVC Unshld Cat 6A Patch Black	30-D
		2955	4 Pr 7/34 TC PE Dual PVC Unshld Cat 6A Patch Brown	30-D
		2956	4 Pr 7/34 TC PE Dual PVC Unshld Cat 6A Patch Red	30-D
		2957	4 Pr 7/34 TC PE Dual PVC Unshld Cat 6A Patch Orange	30-D
		2958	4 Pr 7/34 TC PE Dual PVC Unshld Cat 6A Patch Yellow	30-D
		2959	4 Pr 7/34 TC PE Dual PVC Unshld Cat 6A Patch Green	30-D
		2960	4 Pr 7/34 TC PE Dual PVC Unshld Cat 6A Patch Blue	30-D
		2961	4 Pr 7/34 TC PE Dual PVC Unshld Cat 6A Patch Violet	30-D
		2962	4 Pr 7/34 TC PE Dual PVC Unshld Cat 6A Patch Gray	30-D
		2963	4 Pr 7/34 TC PE Dual PVC Unshld Cat 6A Patch White	30-D
		2964	4 Pr 7/34 TC PE Dual PVC Unshld Cat 6A Patch Beige	30-D
		2965	4 Pr 7/34 TC PE Dual PVC Unshld Cat 6A Patch Pink	30-D

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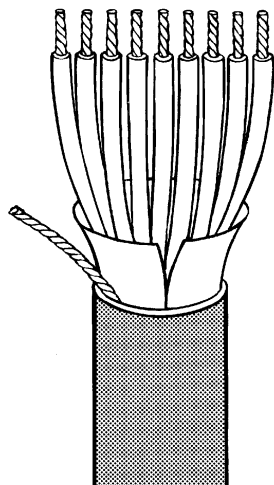
Coax/ AWG	No. of Cond.	Part Number	Description	Page No.
26	8	5075	4 Pr 7/34 TC PO PUR Dbl. Shielded Indust. Ethernet Z-Hal Black	6-E
		5076	4 Pr 7/34 TC PO PUR Dbl. Shielded Indust. Ethernet Z-Hal Blue	6-E
		5077	4 Pr 7/34 TC PO PUR Dbl. Shielded Indust. Ethernet Z-Hal Teal	6-E
		5078	4 Pr 7/34 TC PO PUR Dbl. Shielded Indust. Ethernet Z-Hal Red	6-E
		5710	4 Pr 7/34 TC PO PUR Shielded Cat 5e Indust. Ethernet Black	4-E
		5711	4 Pr 7/34 TC PO PUR Shielded Cat 5e Indust. Ethernet Blue	4-E
		5712	4 Pr 7/34 TC PO PUR Shielded Cat 5e Indust. Ethernet Teal	4-E
		5725	4 Pr 7/34 TC PO PVC Shielded Cat 5e Indust. Ethernet Black	14-E
		5726	4 Pr 7/34 TC PO PVC Shielded Cat 5e Indust. Ethernet Blue	14-E
		5727	4 Pr 7/34 TC PO PVC Shielded Cat 5e Indust. Ethernet Teal	14-E
		5730	4 Pr 7/34 TC PO PUR Dbl. Shielded Cat 5e Indust. Ethernet Black	5-E
		5731	4 Pr 7/34 TC PO PUR Dbl. Shielded Cat 5e Indust. Ethernet Blue	5-E
		5732	4 Pr 7/34 TC PO PUR Dbl. Shielded Cat 5e Indust. Ethernet Teal	5-E
		5734	4 Pr 7/34 TC PO FR-TPE Dbl. Shielded Cat 5e Indust. Ethernet Black	11-E
		5735	4 Pr 7/34 TC PO FR-TPE Dbl. Shielded Cat 5e Indust. Ethernet Blue	11-E
		5736	4 Pr 7/34 TC PO FR-TPE Dbl. Shielded Cat 5e Indust. Ethernet Teal	11-E
		5739	4 Pr 7/34 TC PO PVC Dbl. Shielded Cat 5e Indust. Ethernet Black	15-E
		5740	4 Pr 7/34 TC PO PVC Dbl. Shielded Cat 5e Indust. Ethernet Blue	15-E
		5741	4 Pr 7/34 TC PO PVC Dbl. Shielded Cat 5e Indust. Ethernet Teal	15-E
		5760	4 Pr 7/34 TC PO FR-TPE Shielded Cat 5e Indust. Ethernet Black	10-E
		5761	4 Pr 7/34 TC PO FR-TPE Shielded Cat 5e Indust. Ethernet Blue	10-E
		5762	4 Pr 7/34 TC PO FR-TPE Shielded Cat 5e Indust. Ethernet Teal	10-E
		5763	4 Pr 7/34 TC PO FR-TPE Shielded Cat 5e Indust. Ethernet Red	10-E
		9308	4 Pr 7/34 TC PVC PVC Unshielded Category 3 Patch	12-D
	19	23000	Composite With Video, Power, Data, Voice Components	10-F
	32	32013	2 Shlded Groups 8 Pr Solid TC Foamed PP PVC O/A Shld E-1 Timing	8-F
28	4	9504	2 Pr 7/36 TC PE PVC Double O/A Shield Mid-Cap RS-422	1-C
	6	9506	3 Pr 7/36 TC PE PVC Double O/A Shield Mid-Cap RS-422	1-C
	8	9508	4 Pr 7/36 TC PE PVC Double O/A Shield Mid-Cap RS-422	1-C
	10	9510	5 Pr 7/36 TC PE PVC Double O/A Shield Mid-Cap RS-422	1-C
	14	9514	7 Pr 7/36 TC PE PVC Double O/A Shield Mid-Cap RS-422	1-C
	18	9518	9 Pr 7/36 TC PE PVC Double O/A Shield Mid-Cap RS-422	1-C
	24	9524	12 Pr 7/36 TC PE PVC Double O/A Shield Mid-Cap RS-422	1-C
	26	9526	13 Pr 7/36 TC PE PVC Double O/A Shield Mid-Cap RS-422	1-C
	50	9550	25 Pr 7/36 TC PE PVC Double O/A Shield Mid-Cap RS-422	1-C

SECTION B CONTENTS

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MULTICONDUCTOR CABLE

SHIELDED 24 AWG



Application: RS-232 Computer Interconnect, Instrumentation, Sound, Broadcast, Class 2 Circuits.
RoHS compliant

Construction: 24 AWG (7/32) tinned copper, insulated with semi-rigid PVC. Conductors cabled and shielded with overall aluminum/polyester tape and 24 AWG stranded tinned copper drain wire.
Chrome gray PVC jacket

Listing/Ratings: (UL) AWM Style 2464, 300 Volt 80°C
CSA AWM I/II A/B FT4, 300 Volt 80°C*
NEC Type CM, 60°C Article 800

Part Number	No. of Cond.	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom Cap. Pf/ft.		Color Code Table	1M Pkg Weight Lbs.
		inch	mm	inch	mm	inch	mm	a	b		
8165	3	.010	.25	.032	.81	.162	4.12	33	65	A	19
8170	4	.010	.25	.032	.81	.180	4.57	33	65	A	22
8175	5	.010	.25	.032	.81	.195	4.95	33	65	A	26
8180	6	.010	.25	.032	.81	.200	5.08	33	65	A	27
8185	7	.010	.25	.032	.81	.204	5.18	33	65	A	31
8190	8	.010	.25	.032	.81	.222	5.64	33	65	A	36
8195	9	.010	.25	.032	.81	.235	5.97	30	55	A	38
8200	10	.010	.25	.035	.89	.237	6.02	30	55	A	41
8202	12	.010	.25	.035	.89	.251	6.38	30	55	A	46
8205	15	.010	.25	.035	.89	.280	7.11	30	55	B	52
8210	20	.010	.25	.035	.89	.315	8.01	30	55	B	67
8215	25	.010	.25	.035	.89	.354	9.00	30	55	B	85
8216	30	.010	.25	.040	1.02	.380	9.65	30	55	B	98
8220	37	.010	.25	.040	1.02	.398	10.11	30	55	B	123
8223	40	.010	.25	.040	1.02	.421	10.70	30	55	B	131
8225	50	.010	.25	.040	1.02	.465	11.80	30	55	B	153

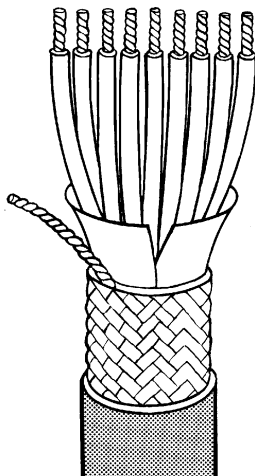
a = Capacitance between conductors.

b = Capacitance between 1 conductor and other conductors connected to shield.

* Quabbin may substitute CSA Type CMG or C(UL) in the future.

MULTICONDUCTOR CABLE

DOUBLE SHIELD LOW CAP FOAM 24 AWG



Application: Low Capacitance Computer Interconnect, RS-423, RS-232, and CAD/CAM Cable, RoHS compliant

Construction: 24 AWG (7/32) tinned copper, insulated with foamed polypropylene. Conductors cabled and shielded with overall aluminum/polyester tape and 65% coverage tinned copper braid. 24 AWG stranded tinned copper drain wire and chrome gray PVC jacket

Listing/Ratings: (UL) AWM Style 2919, 30 Volt 80°C
 NEC Type CM
 Velocity of propagation 78%

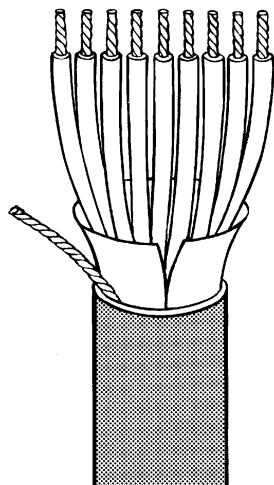
Part Number	No. of Cond.	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. Pf/ft.		Color Code Table	1M Pkg. Weight Lbs.
		inch	mm	inch	mm	inch	mm	a	b		
8663	3	.015	.38	.035	.89	.214	5.43	12	22	A	28
8664	4	.015	.38	.035	.89	.228	5.79	12	22	A	31
8665	5	.015	.38	.035	.89	.232	5.89	12	22	A	33
8666	6	.015	.38	.035	.89	.250	6.35	12	22	A	40
8667	7	.015	.38	.035	.89	.259	6.58	12	22	A	42
8668	8	.015	.38	.035	.89	.270	6.86	12	22	A	46
8669	9	.015	.38	.035	.89	.285	7.24	12	22	A	51
8670	10	.015	.38	.035	.89	.300	7.62	12	22	A	56

a = Capacitance between conductors.

b = Capacitance between 1 conductor and other conductors connected to shield.

MULTICONDUCTOR CABLE

SHIELDED 22 AWG



Application: Communication, Data, and Control Cable.
RoHS compliant

Construction: 22 AWG (7/30) stranded tinned copper, insulated with semi-rigid PVC. Conductors cabled and shielded with overall aluminum/polyester tape and 22 AWG stranded tinned copper drain wire. Chrome gray PVC jacket

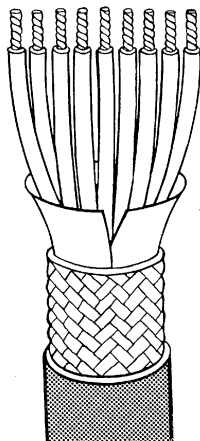
Listing/Ratings: (UL) AWM Style 2464, 300 Volt 80°C
CSA AWM I/II A/B FT4, 300 Volt 80°C*
NEC Type CM, 60°C Article 800

Part Number	No. of Cond.	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. pF/ft		Color Code Table	1M' Pkg Weight Lbs.
		inch	mm	inch	mm	inch	mm	a	b		
7515	2	.010	.25	.032	.81	.164	4.17	37	67	E	19
7520	3	.010	.25	.032	.81	.175	4.45	37	67	E	22
7525	4	.010	.25	.032	.81	.190	4.82	37	67	E	27
7535	6	.010	.25	.032	.81	.212	5.38	35	63	E	36
7540	7	.010	.25	.032	.81	.217	5.51	35	63	E	40
7545	8	.010	.25	.032	.81	.242	6.15	35	63	E	44
7555	10	.010	.25	.032	.81	.253	6.43	35	63	E	51
7560	12	.010	.25	.032	.81	.270	6.86	35	63	E	60
7565	15	.010	.25	.032	.81	.295	7.49	35	63	E	68
7570	20	.010	.25	.032	.81	.342	8.69	35	63	E	89
7575	25	.010	.25	.032	.81	.372	9.45	35	63	E	110
7580	30	.010	.25	.032	.81	.405	10.29	35	63	E	128
7585	40	.010	.25	.032	.81	.439	11.15	35	63	E	163
7590	50	.010	.25	.035	.89	.500	12.70	35	63	E	203

a = Capacitance between conductors.

b = Capacitance between 1 conductor and other conductors connected to shield.

* Quabbin may substitute CSA Type CMG or C(UL) in the future.



Application: RS-232 Computer Interconnect and CAD/CAM applications. RoHS compliant

Construction: 22 AWG (7/30) tinned copper, insulated with semi-rigid PVC. Conductors cabled and shielded with overall aluminum/polyester tape and 65% coverage tinned copper braid. Chrome gray PVC jacket

Listing/Ratings: (UL) AWM Style 2464, 300 Volt 80°C
 NEC Type CM
 CSA AWM I/II A/B FT4, 300 Volt 80°C*

Part Number	No. of Cond.	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. pF/ft		Color Code Table	1M' Pkg Weight Lbs.
		inch	mm	inch	mm	inch	mm	a	b		
7600	3	.010	.25	.035	.89	.200	5.08	37	67	A	28
7605	4	.010	.25	.035	.89	.217	5.51	37	67	A	33
7610	5	.010	.25	.035	.89	.235	5.97	37	67	A	37
7615	6	.010	.25	.035	.89	.240	6.10	35	63	A	40
7620	7	.010	.25	.035	.89	.245	6.22	35	63	A	44
7625	8	.010	.25	.035	.89	.260	6.61	35	63	A	52
7630	9	.010	.25	.035	.89	.280	7.11	35	63	A	56
7635	10	.010	.25	.035	.89	.281	7.44	35	63	A	65
7640	15	.010	.25	.035	.89	.330	8.38	35	63	B	85
7645	25	.010	.25	.035	.89	.410	10.42	35	63	B	125
7650	37	.010	.25	.035	.89	.460	11.68	35	63	B	175
7655	50	.010	.25	.035	.89	.510	12.96	35	63	B	230

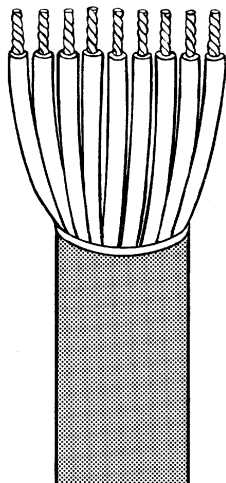
a = Capacitance between conductors.

b = Capacitance between 1 conductor and other conductors connected to shield.

* Quabbin may substitute CSA Type CMG or C(UL) in the future.

MULTICONDUCTOR CABLE

UNSHIELDED 22 AWG



Application: RS-232 Computer Interconnect, Control and Sound Cable. RoHS compliant

Construction: 22 AWG (7/30) tinned copper, insulated with semi-rigid PVC. Conductors cabled and jacketed with chrome gray PVC, except 7116 is black and 7117 is white

Listing/Ratings: (UL) AWM Style 2464, 300 Volt 80°C
 CSA AWM I/II A/B FT4, 300 Volt 80°C*
 NEC Type CM, 60°C Article 800

Part Number	No. of Cond.	Insulation Thickness		Jacket Thickness		Nominal Diameter		Color Code Table	1 M' Pkg Weight Lbs.
		inch	mm	inch	mm	inch	mm		
7115	2	.010	.25	.032	.81	.164	4.16	E	16
7116	2	.010	.25	.032	.81	.164	4.16	E	16
7117	2	.010	.25	.032	.81	.164	4.16	E	16
7120	3	.010	.25	.032	.81	.172	4.37	E	20
7121	3	.010	.25	.032	.81	.172	4.37	**	20
7125	4	.010	.25	.032	.81	.185	4.70	E	24
7130	5	.010	.25	.032	.81	.199	5.05	E	29
7131	5	.010	.25	.032	.81	.199	5.05	A	29
7135	6	.010	.25	.032	.81	.209	5.31	E	31
7136	6	.010	.25	.032	.81	.209	5.31	A	31
7140	7	.010	.25	.032	.81	.214	5.44	E	37
7145	8	.010	.25	.032	.81	.232	5.89	E	40
7150	9	.010	.25	.032	.81	.246	6.25	E	45
7155	10	.010	.25	.032	.81	.249	6.32	E	49
7160	12	.010	.25	.032	.81	.266	6.76	E	55
7165	15	.010	.25	.032	.81	.298	7.57	E	65
7166	15	.010	.25	.032	.81	.298	7.57	B	65
7170	20	.010	.25	.032	.81	.340	8.64	E	88
7171	20	.010	.25	.032	.81	.340	8.64	B	88
7175	25	.010	.25	.032	.81	.374	9.50	E	108
7195***	60	.010	.25	.035	.89	.523	13.28	E	235

* Quabbin may substitute CSA Type CMG or C(UL) in the future.

** Black/Red/Green

*** This part number has no CSA rating

MULTICONDUCTOR CABLE

SHIELDED 12-22 AWG



Application: Process System Interconnect. Power Limited Tray Cable, Class 3 Circuits. RoHS compliant

Construction: Stranded tinned copper as listed below, insulated with PVC. Conductors cabled and shielded with overall aluminum/polyester tape and stranded tinned copper drain wire. Chrome gray PVC jacket

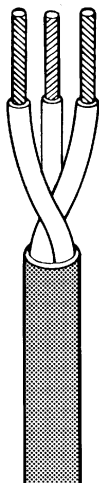
Listing/Ratings: (UL) AWM Style 2464, 300 Volt 80°C
 CSA AWM I/II A/B FT4, 300 Volt 90°C*
 CEC FAS 105 FT4 300 Volt 105°C
 NEC Type PLTC, Article 725
 Sunlight resistant Jacket

Part Number	No. of Cond.	AWG and Strand	Insulation Thickness		Jacket Thickness		Nominal Diameter		Color Code Table	1 M' Pkg Weight Lbs.
			inch	mm	inch	mm	inch	mm		
0160	2	22 7/30	.016	.41	.038	.97	.203	5.16	E	25
0165	2	20 10/30	.016	.41	.038	.97	.215	5.46	E	27
0170	2	18 16/30	.016	.41	.038	.97	.233	5.92	E	37
0175	2	16 19/29	.016	.41	.038	.97	.257	6.53	E	47
0180	2	14 41/30	.022	.56	.043	1.09	.317	8.05	E	76
0185	2	12 65/30	.032	.81	.053	1.35	.414	10.52	E	126
0215	3	22 7/30	.016	.41	.038	.97	.210	5.33	E	29
0220	3	20 10/30	.016	.41	.038	.97	.225	5.72	E	36
0225	3	18 16/30	.016	.41	.038	.97	.247	6.27	E	44
0230	3	16 19/29	.016	.41	.038	.97	.272	6.91	E	62
0235	3	14 41/30	.022	.56	.043	1.09	.334	8.48	E	96

* Quabbin may substitute CSA Type CMG or C(UL) in the future.

MULTICONDUCTOR CABLE

UNSHIELDED 12-22 AWG



Application: Process System Interconnect. Power Limited Tray Cable, Class 3 Circuits. RoHS compliant

Construction: Stranded tinned copper as listed below, insulated with PVC. Conductors cabled and jacketed with chrome gray PVC, except P/N0131, which is jacketed with red PVC

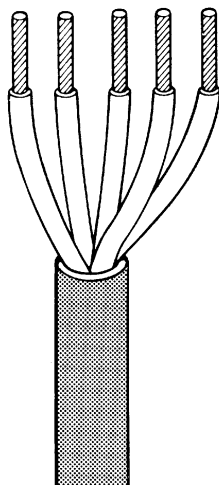
Listing/Ratings: (UL) AWM Style 2464, 300 Volt 80°C
 CSA AWM I/II A/B FT4, 300 Volt 90°C*
 CEC FAS 105 FT4 300 Volt 105°C
 NEC Type PLTC, Article 725
 Sunlight resistant Jacket

Part Number	No. of Cond.	AWG and Strand	Insulation Thickness		Jacket Thickness		Nominal Diameter		Color Code Table	1 M' Pkg Weight Lbs.
			inch	mm	inch	mm	inch	mm		
0130	2	22 7/30	.016	.41	.038	.97	.200	5.08	E	23
0131	2	22 7/30	.016	.41	.038	.97	.200	5.08	E	23
0135	2	20 10/30	.016	.41	.038	.97	.216	5.49	E	26
0140	2	18 16/30	.016	.41	.038	.97	.232	5.89	E	31
0145	2	16 19/29	.016	.41	.038	.97	.256	6.50	E	43
0150	2	14 41/30	.022	.56	.043	1.09	.314	7.98	E	72
0155	2	12 65/30	.032	.81	.052	1.32	.412	10.46	E	100
0190	3	22 7/30	.016	.41	.038	.97	.209	5.31	E	27
0195	3	20 10/30	.016	.41	.038	.97	.224	5.69	E	32
0200	3	18 16/30	.016	.41	.038	.97	.242	6.15	E	39
0205	3	16 19/29	.016	.41	.038	.97	.267	6.78	E	54
0210	3	14 41/30	.022	.56	.043	1.09	.342	8.69	E	87

* Quabbin may substitute CSA Type CMG or C(UL) in the future.

MULTICONDUCTOR CABLE

UNSHIELDED 22 AWG



Application: Security and Alarm Interconnect. Power Limited Circuit Cable – Class 2 Circuits.
RoHS compliant

Construction: 22 AWG stranded tinned or solid bare copper as listed below, insulated with PVC. Conductors cabled and jacketed with chrome gray PVC

Listing/Ratings: NEC Type CL2, Article 725
Mfr's suggested maximum voltage: 250 Volt
Mutual capacitance 19 pF/ft nominal

Part Number	No. of Cond.	Strand	Insulation Thickness		Jacket Thickness		Nominal Diameter		Color Code Table	1 M' Pkg Weight Lbs.
			inch	mm	inch	mm	inch	mm		
6500	2	7/30	.010	.25	.017	.43	.134	3.40	E	12
6520	4	7/30	.008	.20	.017	.43	.145	3.67	A	18
6530	5	7/30	.008	.20	.018	.46	.161	4.07	A	19
6540	6	7/30	.008	.20	.018	.46	.172	4.35	A	25
6550	8	7/30	.008	.20	.020	.51	.194	4.91	A	33
6560	10	7/30	.008	.20	.020	.51	.206	5.21	A	36
6565	10	Solid	.008	.20	.020	.51	.188	4.76	A	32
6575	12	7/30	.008	.20	.020	.51	.231	5.84	A	40
6590	15	7/30	.008	.20	.022	.56	.251	6.35	A	53

MULTICONDUCTOR CABLE

SHIELDED 22 AWG


Application:

Miniature Instrumentation, Sounds, and Broadcast Cable. RoHS compliant

Construction:

22 AWG stranded or solid tinned copper as listed below, insulated with polypropylene. Conductors cabled and shielded with overall aluminum/polyester tape and matching tinned copper drain wire. Chrome gray PVC jacket, except P/N 7316 which has a black PVC jacket.

Listing/Ratings:

(UL) AWM Style 20093, not voltage rated 60°C
 C(UL) Type CM
 NEC Type CM, 60°C Article 800, 300 volt

Part Number	No. of Cond.	Strand	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. pF/ft		Color Code	1M' Pkg Weight Lbs.
			inch	mm	inch	mm	inch	mm	a	b		
7310	2	Solid	.009	.23	.018	.46	.125	3.18	33	65	Blk/Red	15
7315	2	7/30	.009	.23	.020	.51	.135	3.43	32	56	Blk/Red	15
7316	2	7/30	.009	.23	.020	.51	.135	3.43	32	56	Blk/Red	15

a = Capacitance between conductors

b = Capacitance between 1 conductor and other conductors connected to shield

MULTICONDUCTOR CABLE SHIELDED 20 & 22 AWG



Application: Broadcasting, Audio and Instrumentation Cable.
RoHS compliant

Construction: Stranded tinned copper as listed below, insulated with PVC. Conductors twisted and shielded with overall aluminum/polyester tape and 22 AWG stranded tinned copper drain wire. Overall PVC jacket colors: 4520 chrome gray, 4530 beige

Listing/Ratings: (UL) AWM Style 2464, 300 Volt 80°C
CEC AWM I/II A/B FT4, 300 Volt 80°C*
NEC Type CM, 60°C Article 800

Part Number	No. of Cond.	AWG Strand	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. Mutual pF/ft	Color Code	1M' Pkg Weight Lbs.
			inch	mm	inch	mm	inch	mm			
4520	2	22 7/30	.013	.33	.032	.81	.173	4.4	45	Blk/Red	19
4530	2	20 7/28	.013	.33	.032	.81	.198	5.0	50	Blk/Red	24

* Quabbin may substitute CSA Type CMG or C(UL) in the future.

MULTICONDUCTOR CABLE

SHIELDED 12-24 AWG



Application: Instrumentation, Sound, and Broadcast Cable.
RoHS compliant

Construction: Stranded tinned copper as listed below, insulated with polyethylene. Conductors cabled and shielded with overall aluminum/polyester tape and stranded tinned copper drain wire. P/N 7320 has foil and drain wire facing in. Chrome gray PVC jacket.

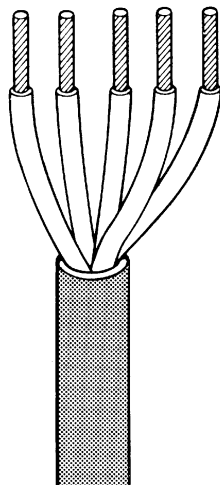
Listing/Ratings: (UL) AWM Styles as listed below
 (UL) AWM Style 2106 & 2107, 600 Volt 60°C
 (UL) AWM Style 2092 & 2093, 300 Volt 60°C
 CEC CMG (see note below)
 NEC Type as listed below, Article 725 or 800

Part Number	No. of Cond.	AWG Strand	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. pF/ft		AWM Style	NEC Type	Color Code	1M' Pkg Weight Lbs.
			inch	mm	inch	mm	inch	mm	a	b				
1105*	2	12 19/0185	.037	.94	.040	1.02	.365	9.27	23	47	2106	CL2	Clr/Blk	102
2120*	2	14 19/0147	.032	.81	.035	.89	.322	8.18	25	46	2106	CL2	Clr/Blk	67
3135	2	16 19/0117	.032	.81	.032	.81	.295	7.50	22	45	2106	CL2	Clr/Blk	52
4164	2	18 7/0152	.012	.30	.022	.56	.175	4.44	30	55	—	CM/MP	Clr/Blk	25
4165	2	18 16/30	.021	.53	.028	.71	.233	5.92	25	47	2092	CM	Clr/Blk	32
6140	2	20 7/28	.016	.41	.028	.71	.199	5.05	27	51	2092	CM	Clr/Blk	28
7320	2	22 7/30	.016	.41	.025	.64	.175	4.45	22	40	2092	CM	Clr/Blk	19
8100	2	24 7/32	.016	.41	.025	.64	.165	4.19	22	42	2092	CM	Clr/Blk	15
3140	3	16 19/0117	.032	.81	.032	.81	.327	8.31	24	48	2107	CM	Clr/Blk/ Red	70
4170	3	18 16/30	.018	.46	.032	.81	.235	5.97	24	46	2093	CM	Clr/Blk/ Red	41
6145	3	20 7/28	.016	.41	.028	.71	.211	5.36	27	51	2093	CM	Clr/Blk/ Red	32
7325	3	22 7/30	.016	.41	.025	.64	.180	4.57	23	41	2093	CM	Clr/Blk/ Red	24

a = Capacitance between conductors

b = Capacitance between 1 conductor and other conductors connected to shield

Note: The part numbers indicated with * have CSA AWM I/II A/B FT4, 300 Volt 75°C. Quabbin may substitute CSA Type CMG or C(UL) for these parts in the future.



Application: Instrumentation, Audio, and Control Cable.
RoHS compliant

Construction: Stranded tinned copper as listed below, insulated with PVC. Conductors cabled and jacketed with chrome gray PVC.

Listing/Ratings: (UL) AWM Styles as listed below
 (UL) AWM Style 2095 300 Volt 80°C
 (UL) AWM Style 2463 600 Volt 80°C
 (UL) AWM Style 2464 300 Volt 80°C
 (UL) AWM Style 2598 300 Volt 60°C
 CSA AWM I/II A/B FT4 (temperature and voltage as listed below)****
 NEC Type as listed below, Article 725 or 800

Part Number	No. of Cond.	AWG and Strand	Insulation Thickness		Jacket Thickness		Nominal Diameter		AWM Style	NEC Type	Color Code Table	1M' Pkg Weight Lbs.
			inch	mm	inch	mm	inch	mm				
1100**	2	12 19/0185	.031	.79	.042	1.07	.388	9.86	2463	PLTC	A	91
2115**	2	14 19/0147	.031	.79	.032	.81	.332	8.43	2463	CL3	A	61
3130*	2	16 19/0117	.023	.58	.032	.81	.266	6.76	2598	CM	A	43
4140*	2	18 7/26	.016	.41	.025	.64	.197	5.00	2095	CM	A	29
0511***	2	18 7/26	.010	.25	.020	.51	.176	4.47	--	CM	A	21
4090*	2	18 16/30	.016	.41	.032	.81	.218	5.54	2464	CL2	E	24
2100**	4	14 19/0147	.032	.81	.045	1.14	.419	10.61	2463	CL3	B	114
3100*	4	16 19/0117	.016	.41	.032	.81	.279	7.09	2464	CL2	A	62
2105**	5	14 19/0147	.032	.81	.045	1.14	.457	11.56	2463	CL3	B	137
2110**	7	14 19/0147	.032	.81	.045	1.14	.498	12.60	2463	CL3	B	181

* CSA 300 Volt, 90°C

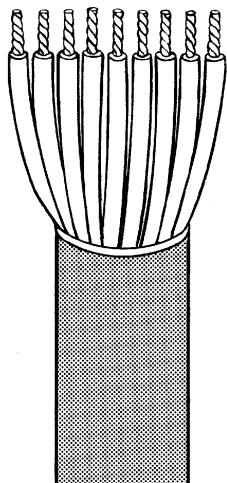
** CSA 600 Volt, 105°C

*** This part number is not CSA certified.

**** Quabbin may substitute CSA Type CMG or C(UL) in the future.

MULTICONDUCTOR CABLE

UNSHIELDED 20 AWG



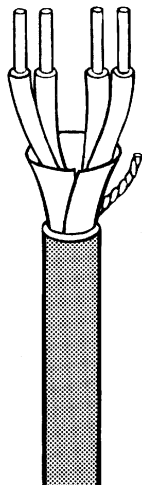
Application: Instrumentation, Audio, and Control Cable..
RoHS compliant

Construction: 20 AWG (7/28) tinned copper insulated with PVC. Conductors cabled and jacketed with chrome gray PVC, except P/N 6101 has a black jacket.

Listing/Ratings: (UL) AWM Style 2464, 300 Volt 80°C
CSA AWM I/II A/B FT4, 300 Volt 80°C*
NEC Type CM, 60°C Article 800
Mutual capacitance 26 pF/ft nominal

Part Number	No. of Cond.	Insulation Thickness		Jacket Thickness		Nominal Diameter		Color Code Table	1 M' Pkg Weight Lbs.
		inch	mm	inch	mm	inch	mm		
6100	4	.013	.33	.032	.81	.219	5.56	A	33
6101	4	.013	.33	.032	.81	.219	5.56	A	33
6105	5	.013	.33	.032	.81	.237	6.02	A	37
6110	7	.013	.33	.032	.81	.260	6.60	A	49
6115	9	.013	.33	.035	.89	.304	7.72	A	69
6120	12	.013	.33	.035	.89	.338	8.58	A	83
6125	15	.013	.33	.035	.89	.370	9.40	B	105

* Quabbin may substitute CSA Type CMG or C(UL) in the future.



Application: Instrumentation, Sound, and Broadcast Cable.
RoHS compliant.

Construction: 18 AWG (16/30) stranded tinned copper insulated with semi-rigid PVC. Conductors cabled and shielded with overall aluminum/polyester tape and 20 AWG stranded tinned copper drain wire. Chrome gray PVC jacket

Listing/Ratings: (UL) AWM Style 2464, 300 Volt 80°C
CSA AWM I/II A/B FT4, 300 Volt 80°C*
NEC Type CM, 60°C Article 800

Part Number	No. of Cond.	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. pF/ft		Color Code Table	1M' Pkg Weight Lbs.
		inch	mm	inch	mm	inch	mm	a	b		
4174	3	.010	.25	.032	.81	.206	5.23	70	120	A	42
4175	4	.010	.25	.032	.81	.236	5.86	70	120	A	47
4177	6	.010	.25	.032	.81	.259	6.58	65	113	A	60
4178	8	.010	.25	.032	.81	.284	7.21	65	113	A	75
4179	10	.010	.25	.032	.81	.308	7.82	65	113	A	91

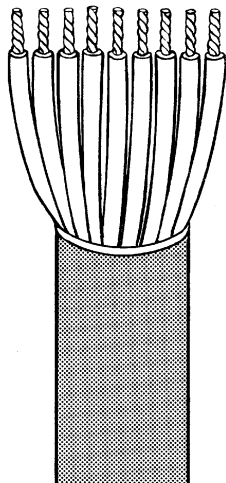
a = Capacitance between conductors.

b = Capacitance between 1 conductor and other conductors connected to shield.

* Quabbin may substitute CSA Type CMG or C(UL) in the future.

MULTICONDUCTOR CABLE

UNSHIELDED 18 AWG



Application: Instrumentation, Audio, and Control Cable.
RoHS compliant

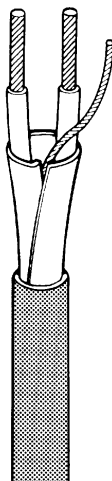
Construction: 18 AWG (16/30) tinned copper insulated with PVC. Conductors cabled and jacketed with chrome gray PVC

Listing/Ratings: (UL) AWM Style 2464, 300 Volt 80°C
 (UL) AWM Style 2586, 600 Volt 105°C*
 CSA AWM I/II A/B FT4, 600 Volt 105°C*, ***
 NEC Type CM, 60°C Article 800
 Mutual capacitance 25 pF/ft nominal

Part Number	No. of Cond.	Insulation Thickness		Jacket Thickness		Nominal Diameter		Color Code Table	1 M' Pkg Weight Lbs.
		inch	mm	inch	mm	inch	mm		
4560*	2	.013	.33	.032	.81	.198	5.03	C	28
4100	4	.016	.41	.032	.81	.245	6.22	A	45
4105	5	.016	.41	.032	.81	.272	6.91	A	54
4110	7	.016	.41	.032	.81	.295	7.49	A	79
4115	9	.016	.41	.035	.89	.354	8.99	A	96
4120	12	.016	.41	.035	.89	.385	9.78	B	115
4125	15	.016	.41	.040	1.02	.444	11.28	B	157
4130	19	.016	.41	.040	1.02	.465	11.81	B	172
4135	25	.016	.41	.045	1.14	.540	13.72	B	241

* Part number 4560 is CSA AWM I/II A/B FT4, 300 Volt 80°C, and not Style 2586

** Quabbin may substitute CSA Type CMG or C(UL) in the future.



Application: Broadcasting, Audio, and Instrumentation Cable. Shield and jacket are bonded to allow easy automated stripping. RoHS compliant.

Construction: Stranded tinned copper as listed below, insulated with polypropylene or polyethylene. Conductors twisted with stranded tinned copper drain wire and shielded with overall aluminum/vinyl tape. Shield is bonded to chrome gray PVC jacket.

Listing/Ratings: (UL) AWM Style 2092, 300 Volt 60°C**
 CEC CMG*
 NEC Type CMR, 75°C article 800 (4505)
 NEC Type CM, 60°C Article 800
 (4510, 4540, 4550)

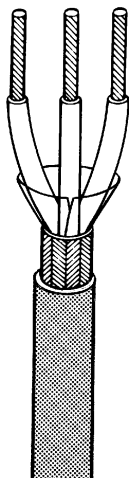
Part Number	No. of Cond.	AWG Strand	Insul.	Drain Wire AWG	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. pF/ft	Color Code	1M' Pkg Weight Lbs.
					inch	mm	inch	mm	inch	mm			
4505**	2	22 7/30	PP	24	.009	.23	.020	.51	.139	3.5	34	Blk/Red	12
4510	2	22 7/30	PE	22	.016	.41	.026	.66	.179	4.5	24	Blk/Red	19
4540	2	20 7/28	PE	20	.016	.41	.030	.76	.204	5.2	27	Blk/Clr	27
4550	2	18 16/30	PE	20	.018	.46	.026	.66	.213	5.4	24	Blk/Clr	32

* Quabbin may substitute CSA Type CMG or C(UL) in the future.

** Part number 4505 is not Style 2092

MULTICONDUCTOR CABLE

BRAIDED SHIELD 22 AWG



Application: Audio, Instrumentation and Communication Cable. RoHS compliant.

Construction: 22 AWG tinned copper as listed below, insulated with PVC. Conductors twisted with clear polyester tape and shielded with overall tinned copper braid. Part number 7335 has a solid copper drain wire. PVC jacket colored as specified below.

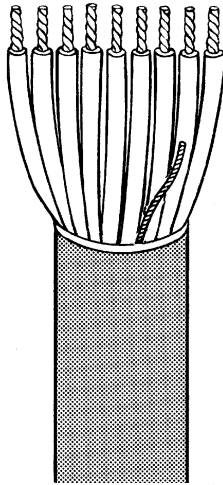
Listing/Ratings: (UL) AWM Style 2095, 300 Volt 80°C
 CSA AWM I/II A/B FT4, 300 Volt 90°C*
 NEC Type CM, 60°C Article 800

Part Number	No. of Cond.	Strand	Insulation Thickness		Jacket Thickness		Nominal Diameter		Min. Shld. Cover	Nom Cap. pF/ft		Jkt. Color	Color Code	1M' Pkg Weight Lbs.
			inch	mm	inch	mm	inch	mm		a	b			
7335	2	Solid	.016	.41	.025	.63	.191	4.85	90% + drain	30	55	Black	Red/ Blk	28
7345	2	7/30	.016	.41	.025	.63	.200	5.08	86% + drain	49	86	Black	Red/ Blk	30
7340	3	7/30	.016	.41	.025	.63	.203	5.15	70%	34	60	Gray	Red/ Blk/ Wht	35

a = Capacitance between conductors.

b = Capacitance between 1 conductor and other conductors connected to shield.

* Quabbin may substitute CSA Type CMG or C(UL) in the future.


Application:

Cost and space saving, reduced diameter 600V cables for internal or external interconnection of industrial control and instrumentation equipment. RoHS compliant.

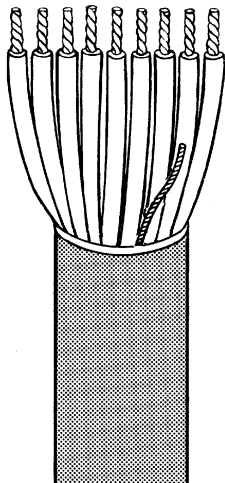
Construction:

Stranded tinned copper as listed below, insulated with 0.016" (0.41mm) PVC. Conductors cabled with overall clear polyester tape and jacketed with chrome gray PVC. Ripcord included for easy jacket stripping.

Listing/Ratings:

(UL) AWM Style 2586, 600 Volt 105°C
 CSA AWM I/II A/B FT4, 600 Volt 105°C
 UL VW-1, CSA FT-4

Part Number	AWG Size	No. of Cond.	Strand	Jacket Thickness		Nominal Diameter		Color Code Table	1 M' Pkg Weight Lbs.
				inch	mm	inch	mm		
0733	16 AWG	4	19/0.117	.032	.81	0.282	7.16	Table F	59
0734	16 AWG	5	19/0.117	.032	.81	0.307	7.80	Table F	72
0735	16 AWG	7	19/0.117	.032	.81	0.334	8.48	Table F	95
0736	16 AWG	9	19/0.117	.032	.81	0.392	9.96	Table F	121
0737	16 AWG	12	19/0.117	.032	.81	0.427	10.85	Table F	153
0738	16 AWG	15	19/0.117	.032	.81	0.484	12.29	Table F	189
0739	16 AWG	19	19/0.117	.032	.81	0.512	13.01	Table F	233
0740	16 AWG	25	19/0.117	.052	1.32	0.654	16.61	Table F	328
0741	14 AWG	2	41/30	.032	.81	0.271	6.88	Table F	49
0742	14 AWG	3	41/30	.032	.81	0.286	7.26	Table F	65
0743	14 AWG	4	41/30	.032	.81	0.314	7.98	Table F	83
0744	14 AWG	5	41/30	.032	.81	0.342	8.69	Table F	101
0745	14 AWG	7	41/30	.032	.81	0.373	9.47	Table F	134
0746	14 AWG	9	41/30	.032	.81	0.439	11.15	Table F	172
0747	14 AWG	12	41/30	.032	.81	0.480	12.19	Table F	221
0748	14 AWG	15	41/30	.032	.81	0.545	13.84	Table F	274
0750	14 AWG	25	41/30	.052	1.32	0.734	18.64	Table F	471


Application:

Cost and space saving, reduced diameter 600V cables for internal or external interconnection of industrial equipment. RoHS compliant.

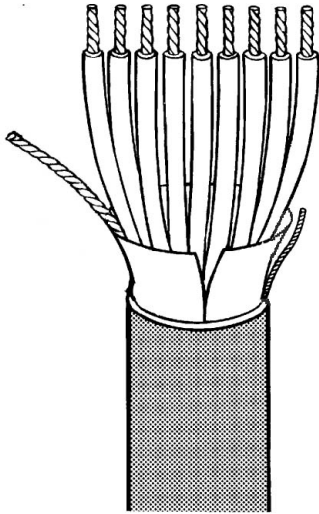
Construction:

Stranded tinned copper as listed below, insulated with 0.016" (0.41mm) PVC. Conductors cabled with overall clear polyestertape and jacketed with chrome gray PVC. Ripcord included for easy jacket stripping.

Listing/Ratings:

(UL) AWM Style 2586, 600 Volt 105°C
 CSA AWM I/II A/B FT4, 600 Volt 105°C
 UL VW-1, CSA FT-4

Part Number	AWG Size	No. of Cond.	Strand	Jacket Thickness		Nominal Diameter		Color Code Table	1 M' Pkg Weight Lbs.
				inch	mm	inch	mm		
0701	22 AWG	2	7/30	.032	.81	.191	4.85	Table F	18
0703	22 AWG	4	7/30	.032	.81	.217	5.51	Table F	27
0704	22 AWG	5	7/30	.032	.81	.234	5.94	Table F	32
0706	22 AWG	9	7/30	.032	.81	.293	7.44	Table F	51
0709	22 AWG	19	7/30	.032	.81	.377	9.58	Table F	93
0712	20 AWG	3	7/28	.032	.81	.218	5.54	Table F	28
0713	20 AWG	4	7/28	.032	.81	.236	5.99	Table F	35
0716	20 AWG	9	7/28	.032	.81	.323	8.20	Table F	67
0717	20 AWG	12	7/28	.032	.81	.351	8.92	Table F	85
0718	20 AWG	15	7/28	.032	.81	.395	10.03	Table F	104
0719	20 AWG	19	7/28	.032	.81	.417	10.59	Table F	126
0720	20 AWG	25	7/28	.032	.81	.498	12.65	Table F	163
0721	18 AWG	2	16/30	.032	.81	.221	5.61	Table F	27
0722	18 AWG	3	16/30	.032	.81	.223	5.92	Table F	35
0723	18 AWG	4	16/30	.032	.81	.253	6.43	Table F	43
0724	18 AWG	5	16/30	.032	.81	.275	6.99	Table F	52
0725	18 AWG	7	16/30	.032	.81	.298	7.57	Table F	68
0726	18 AWG	9	16/30	.032	.81	.348	8.84	Table F	85
0728	18 AWG	15	16/30	.032	.81	.428	10.87	Table F	133
0729	18 AWG	19	16/30	.032	.81	.452	11.48	Table F	163
0730	18 AWG	25	16/30	.032	.81	.541	13.74	Table F	212


Application:

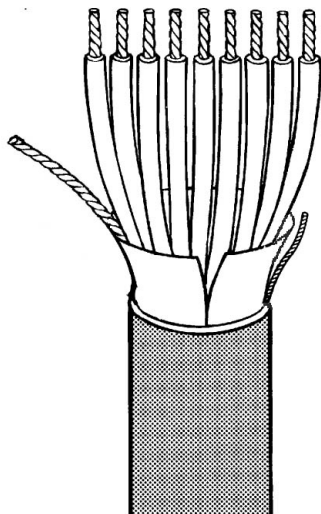
Cost and space saving, reduced diameter 600V shielded cables for internal or external interconnection of industrial instrumentation and control equipment. RoHS compliant.

Construction:

Stranded tinned copper as listed below, insulated with 0.016" (0.41mm) PVC. Conductors cabled with overall clear polyester tape and shielded with aluminum/polyester tape and matching AWG drain wire facing in. Chrome gray PVC jacket with rip-cord for easy jacket removal.

Listing/Ratings: (UL) AWM Style 2586, 600 Volt 105°C
 CSA AWM I/II A/B FT4, 600 Volt 105°C
 UL VW-1, CSA FT-4

Part Number	AWG Size	No. of Cond.	Strand	Jacket Thickness		Nominal Diameter		Color Code Table	1 M' Pkg Weight Lbs.
				inch	mm	inch	mm		
0831	16 AWG	2	19/.0117	.032	.81	0.246	6.25	Table F	45
0832	16 AWG	3	19/.0117	.032	.81	0.259	6.58	Table F	66
0833	16 AWG	4	19/.0117	.032	.81	0.283	7.19	Table F	68
0834	16 AWG	5	19/.0117	.032	.81	0.308	7.82	Table F	81
0835	16 AWG	7	19/.0117	.032	.81	0.334	8.48	Table F	104
0836	16 AWG	9	19/.0117	.032	.81	0.391	9.93	Table F	130
0837	16 AWG	12	19/.0117	.032	.81	0.426	10.82	Table F	163
0838	16 AWG	15	19/.0117	.032	.81	0.483	12.27	Table F	199
0839	16 AWG	19	19/.0117	.032	.81	0.510	12.95	Table F	243
0840	16 AWG	25	19/.0117	.052	1.32	0.651	16.54	Table F	339
0841	14 AWG	2	41/30	.032	.81	0.274	6.96	Table F	63
0842	14 AWG	3	41/30	.032	.81	0.289	7.34	Table F	79
0843	14 AWG	4	41/30	.032	.81	0.317	8.05	Table F	97
0844	14 AWG	5	41/30	.032	.81	0.345	8.76	Table F	116
0845	14 AWG	7	41/30	.032	.81	0.376	9.55	Table F	149
0846	14 AWG	9	41/30	.032	.81	0.442	11.23	Table F	187
0847	14 AWG	12	41/30	.032	.81	0.483	12.27	Table F	237
0848	14 AWG	15	41/30	.032	.81	0.548	13.92	Table F	290
0849	14 AWG	19	41/30	.052	1.32	0.620	15.75	Table F	379
0850	14 AWG	25	41/30	.052	1.32	0.737	18.72	Table F	488


Application:

Cost and space saving, reduced diameter 600V shielded cables for internal or external interconnection of industrial instrumentation and control equipment. RoHS compliant.

Construction:

Stranded tinned copper as listed below, insulated with 0.016" (0.41mm) PVC. Conductors cabled with overall clear polyester tape and shielded with aluminum/polyester tape and matching AWG drain wire facing in. Chrome gray PVC jacket with rip-cord for easy jacket removal.

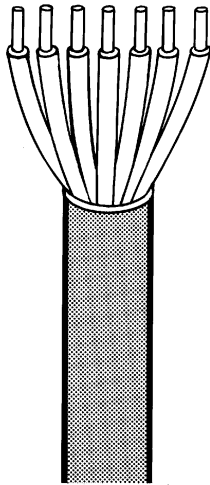
Listing/Ratings:

(UL) AWM Style 2586, 600 Volt 105°C
 CSA AWM I/II A/B FT4, 600 Volt 105°C
 UL VW-1, CSA FT-4

Part Number	AWG Size	No. of Cond.	Strand	Jacket Thickness		Nominal Diameter		Color Code Table	1 M' Pkg Weight Lbs.
				inch	mm	inch	mm		
0801	22 AWG	2	7/30	.032	.81	0.194	4.93	Table F	22
0802	22 AWG	3	7/30	.032	.81	0.203	5.16	Table F	25
0803	22 AWG	4	7/30	.032	.81	0.220	5.59	Table F	30
0804	22 AWG	5	7/30	.032	.81	0.237	6.02	Table F	35
0805	22 AWG	7	7/30	.032	.81	0.256	6.50	Table F	44
0806	22 AWG	9	7/30	.032	.81	0.296	7.52	Table F	55
0807	22 AWG	12	7/30	.032	.81	0.321	8.15	Table F	67
0811	20 AWG	2	7/28	.032	.81	0.210	5.33	Table F	27
0812	20 AWG	3	7/28	.032	.81	0.221	5.61	Table F	32
0813	20 AWG	4	7/28	.032	.81	0.239	6.07	Table F	39
0814	20 AWG	5	7/28	.032	.81	0.259	6.58	Table F	46
0815	20 AWG	7	7/28	.032	.81	0.280	7.11	Table F	58
0816	20 AWG	9	7/28	.032	.81	0.326	8.28	Table F	72
0817	20 AWG	12	7/28	.032	.81	0.354	8.99	Table F	89
0821	18 AWG	2	16/30	.032	.81	0.224	5.69	Table F	37
0822	18 AWG	3	16/30	.032	.81	0.236	5.99	Table F	41
0823	18 AWG	4	16/30	.032	.81	0.256	6.50	Table F	49
0824	18 AWG	5	16/30	.032	.81	0.278	7.06	Table F	56
0825	18 AWG	7	16/30	.032	.81	0.301	7.65	Table F	74
0826	18 AWG	9	16/30	.032	.81	0.351	8.92	Table F	93
0827	18 AWG	12	16/30	.032	.81	0.382	9.70	Table F	115
0828	18 AWG	15	16/30	.032	.81	0.431	10.95	Table F	141
0829	18 AWG	19	16/30	.032	.81	0.455	11.56	Table F	170
0830	18 AWG	25	16/30	.032	.81	0.544	13.82	Table F	219

MULTICONDUCTOR CABLE

UNSHIELDED 22 AWG



Application: Security and Alarm, Fire Protective Signaling Devices, Communication. RoHS compliant.

Construction: 22 AWG solid bare copper insulated with PVC. Conductors cabled and jacketed with black PVC.

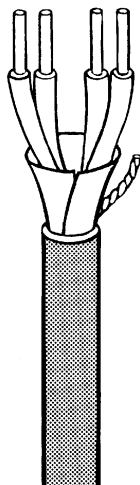
Listing/Ratings: CSA AWM FT4, 300 Volt 80°C*
 NEC Type CM, 60°C

Part Number	No. of Cond.	Insulation Thickness		Jacket Thickness		Nominal Diameter		Color Code Table	1 M' Pkg Weight Lbs.
		inch	mm	inch	mm	inch	mm		
7470	6	.010	.25	.020	.51	.170	4.32	A	27
7475	9	.010	.25	.020	.51	.204	5.18	A	38
7480	12	.010	.25	.020	.51	.222	5.64	A	47

* Quabbin may substitute CSA Type CMG or C(UL) in the future.

MULTICONDUCTOR CABLE

SHIELDED 16 & 18 AWG



Application: Power Limited Fire Alarm or Power Limited Circuit Cable. RoHS compliant.

Construction: Solid bare copper as listed below, insulated with polyethylene. Conductors cabled, shielded with overall aluminum/polyester tape and 22 AWG stranded tinned copper drain wire. Red PVC jacket.

Listing/Ratings: CEC CMG*
 NEC Type CM, 300 Volt

Part Number	No. of Cond.	AWG Strand	Insulation Thickness		Jacket Thickness		Nom. Cap.		Nominal Diameter		Color Code	1M' Pkg Weight Lbs.
			inch	mm	inch	mm	a	b	inch	mm		
3150	2	16	.012	.31	.021	.53	35	64	.195	9.95	Blk/Red	33
4215	2	18	.012	.31	.021	.53	30	56	.173	4.39	Blk/Red	25
3155	4	16	.012	.31	.032	.81	28.5	53	.249	6.33	Blk/Red /Yel/Blu	52
4220	4	18	.012	.31	.021	.53	25	47	.201	5.10	Blk/Red /Yel/Blu	40

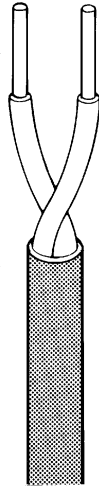
a = Capacitance between conductors.

b = Capacitance between 1 conductor and other conductors connected to shield.

* Quabbin may substitute CSA Type CMG or C(UL) in the future.

MULTICONDUCTOR CABLE

UNSHIELDED 16 & 18 AWG



Application: Power Limited Fire Alarm or Circuit Cable.
Consult Quabbin for RoHS information.

Construction: Solid bare copper as listed below, insulated with polyethylene. Conductors cabled and jacketed with red PVC.

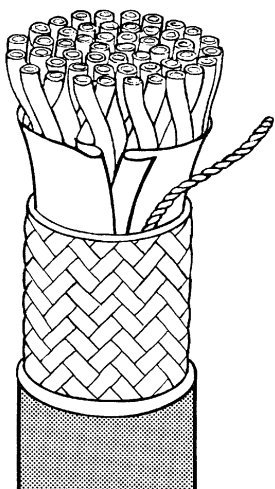
Listing/Ratings: CEC CMG*
NEC Type CM, 300 Volt

Part Number	No. of Cond.	AWG Strand	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. Mutual pF/ft	Color Code	1M' Pkg Weight Lbs.
			inch	mm	inch	mm	inch	mm			
3145	2	16	.012	.31	.021	.53	.192	4.88	18	Blk/Red	30
4210	2	18	.012	.31	.021	.53	.170	4.32	16	Blk/Red	23
4235	4	18	.012	.31	.021	.53	.197	5.00	16	Blk/Red/Gm/Yel	36
4240	6	18	.012	.31	.032	.81	.250	6.35	16	Blk/Red/Gm/Yel/Blu/Org	65
4245	8	18	.012	.31	.032	.81	.278	7.06	16	Blk/Red/Gm/Yel/Blu/Org/Bm/Vio	67

* Quabbin may substitute CSA Type CMG or C(UL) in the future.

SECTION C CONTENTS

Double Shielded RS-422, Mid Capacitance	1-C, 4-C
Shielded RS-232, Audio, Instrumentation	2-C
Double Shielded RS-232, CAD/CAM	3-C
Double and Single Shielded RS-232, RS-485, Low Capacitance	5-C, 6-C
Pairs Shielded Audio, RS-422, Low Capacitance	7-C
Pairs Shielded 50 Ohm Audio, POS, "Snake" Multichannel	8-C, 9-C, 10-C
Unshielded Control, Audio, Instrumentation	11-C, 16-C
Shielded 300V Power Limited Tray	12-C
Shielded Direct Burial Roadway Loop	13-C
Pairs Shielded Computer Interconnection	14-C, 15-C



Application: Mid Capacitance RS-422 Computer Interconnect, Extended Distance Cable

Construction: 28 AWG (7/36) tinned copper insulated with polyethylene and paired. Multipairs cabled and shielded with overall aluminum/polyester tape, 28 AWG stranded tinned copper drain wire, and 90% coverage tinned copper braid. Chrome gray PVC jacket.

Listing/Ratings: (UL) AWM Style 2919, 30 Volt 80°C
 CSA AWM I/II A/B FT4, 300 Volt 75°C*
 NEC Type CL2 75°, Article 725
 Velocity of Propagation 66%

Part Number	No. of Pairs	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. pF/ft		Nom. Imped. Ohms	Color Code Table	1 M' Pkg. Weight Lbs.
		inch	mm	inch	mm	inch	mm	a	b			
9504	2	.010	.25	.032	.76	.191	4.85	15.5	27.5	100	C	28
9506	3	.010	.25	.032	.76	.213	5.41	15.5	27.5	100	C	32
9508	4	.010	.25	.032	.76	.225	5.72	15.5	27.5	100	C	36
9510	5	.009	.23	.032	.76	.255	6.48	15.5	27.5	100	C	38
9514	7	.009	.23	.032	.76	.263	6.68	15.5	27.5	100	C	44
9518	9	.009	.23	.032	.76	.300	7.62	15.5	27.5	100	C	55
9524	12	.009	.23	.032	.76	.310	7.88	15.5	27.5	100	C	66
9526	13	.009	.23	.032	.76	.321	8.16	15.5	27.5	100	C	70
9550	25	.009	.23	.037	.94	.449	11.41	15.5	27.5	100	C	110

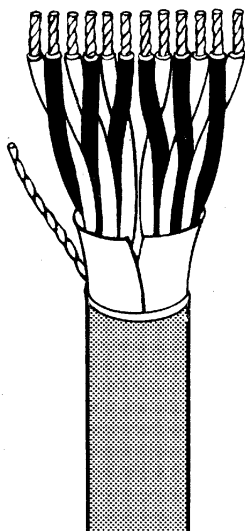
a = Capacitance between conductors.

b = Capacitance between 1 conductor and other conductors connected to shield.

* Quabbin may substitute CSA Type CMG or C(UL) in the future.

MULTIPAIR CABLE

SHIELDED 24 AWG



Application: RS-232 Computer Interconnect, Audio, Instrumentation, V.11 or V.35 Cable. RoHS compliant

Construction: 24 AWG (7/32) tinned copper insulated with semi-rigid PVC and paired. Multipairs cabled and shielded with overall aluminum/polyester tape and 24 AWG stranded tinned copper drain wire. Chrome gray PVC jacket.

Listing/Ratings: (UL) AWM Style 2464, 300 Volt 80°C
 CSA AWM I/II A/B FT4, 300 Volt 80°C**
 (except P/N 8158 which is not CSA rated)
 NEC Type CM, 60°C Article 800
 (except P/N 8158 which is Type CL2)
 Nom. Impedance 75 ohms

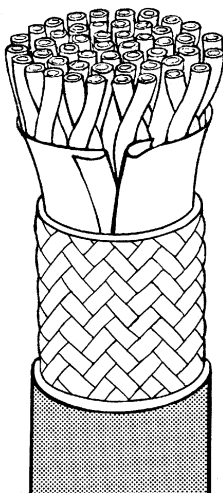
Part Number	No. of Pairs	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. pF/ft		Color Code Table	1M' Pkg Weight Lbs.
		inch	mm	inch	mm	inch	mm	a	b		
8105	1	.010	.25	.032	.81	.155	3.94	40	74	C	16
8110	2	.010	.25	.032	.81	.205	5.21	30	50	C	27
8115	3	.010	.25	.032	.81	.210	5.33	30	50	C	32
8120	4	.010	.25	.032	.81	.237	6.02	30	50	C	36
8125	5	.010	.25	.035	.89	.272	6.91	30	50	C	43
8130	6	.010	.25	.035	.89	.291	7.39	30	50	C	48
8135	7	.010	.25	.035	.89	.298	7.57	30	50	C	56
8138	8	.010	.25	.035	.89	.321	8.15	30	50	C	59
8140	9	.010	.25	.035	.89	.325	8.26	30	50	C	73
8141	10	.010	.25	.035	.89	.329	8.36	30	50	C	71
8145	15	.010	.25	.040	1.02	.393	9.98	30	50	C	107
8150	19	.010	.25	.040	1.02	.449	11.18	30	50	C	125
8155	25	.010	.25	.045	1.14	.495	12.57	30	50	C	160
8158	50	.010	.25	.052	1.32	.741	18.82	30	50	*	313

a = Capacitance between conductors.

b = Capacitance between 1 conductor and other conductors connected to shield.

* Consult factory for color code on this part number

** Quabbin may substitute CSA Type CMG or C(UL) in the future.



Application: RS-232 Computer Interconnect, V.11 or V.35, CAD/CAM applications. RoHS compliant

Construction: 24 AWG (7/32) tinned copper insulated with semi-rigid PVC and paired. Multipairs cabled and shielded with overall aluminum/polyester tape and 65% coverage tinned copper braid. Chrome gray PVC jacket.

Listing/Ratings: (UL) AWM Style 2464, 300 Volt 80°C
 CSA AWM I/II A/B FT4, 300 Volt 80°C*
 NEC Type CM, 60°C Article 800
 Velocity of Propagation 60%
 Nominal Impedance 75 ohms

Part Number	No. of Pairs	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. pF/ft		Color Code Table	1M' Pkg Weight Lbs.
		inch	mm	inch	mm	inch	mm	a	b		
8710	2	.010	.25	.035	.89	.247	6.27	30	50	C	34
8715	3	.010	.25	.035	.89	.265	6.73	30	50	C	41
8720	4	.010	.25	.035	.89	.286	7.26	30	50	C	47
8725	5	.010	.25	.035	.89	.301	7.65	30	50	C	55
8730	6	.010	.25	.035	.89	.311	7.90	30	50	C	62
8735	7	.010	.25	.035	.89	.324	8.23	30	50	C	67
8738	8	.010	.25	.035	.89	.344	8.74	30	50	C	77
8741	10	.010	.25	.035	.89	.387	9.83	30	50	C	89
8742	12 1/2	.010	.25	.035	.89	.400	10.16	30	50	C	105
8745	15	.010	.25	.040	1.02	.450	11.43	30	50	C	127
8748	18	.010	.25	.040	1.02	.480	12.19	30	50	C	148
8755	25	.010	.25	.040	1.02	.551	14.00	30	50	C	192

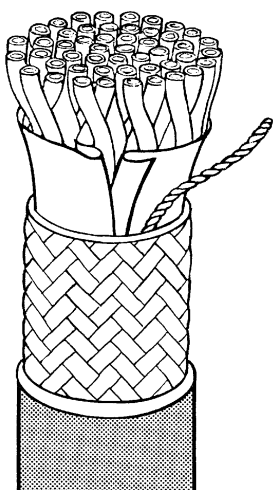
a = Capacitance between conductors.

b = Capacitance between 1 conductor and other conductors connected to shield.

* Quabbin may substitute CSA Type CMG or C(UL) in the future.

MULTIPAIR CABLE

DOUBLE SHIELDED MID CAP 24 AWG



Application: Mid Capacitance RS-422 Computer Interconnect, Extended Distance Cable. RoHS compliant

Construction: 24 AWG (7/32) tinned copper insulated with polyethylene and paired. Multipairs cabled and shielded with overall aluminum/polyester tape, 24 AWG stranded tinned copper drain wire, and 65% coverage tinned copper braid. Chrome gray PVC jacket

Listing/Ratings: (UL) AWM Style 2919, 30 Volt 80°C
 CEC CMG*
 NEC Type CM, 60°C Article 800
 Velocity of Propagation 66%

Part Number	No. of Pairs	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. pF/ft		Nom. Imped. Ohms	Color Code Table	1 M' Pkg. Weight Lbs.
		inch	mm	inch	mm	inch	mm	a	b			
8804	2	.010	.25	.035	.89	.236	6.05	18.0	32.0	85	C	51
8806	3	.010	.25	.035	.89	.239	6.07	15.5	27.5	100	C	57
8808	4	.010	.25	.035	.89	.280	7.11	15.5	27.5	100	C	69
8810	5	.010	.25	.035	.89	.350	8.89	15.5	27.5	100	C	72
8812	6	.010	.25	.035	.89	.365	9.27	15.5	27.5	100	C	86
8814	7	.010	.25	.035	.89	.372	9.45	15.5	27.5	100	C	92
8818	9	.010	.25	.035	.89	.375	9.53	15.5	27.5	100	C	104
8820	10	.010	.25	.035	.89	.388	9.86	15.5	27.5	100	C	112
8824	12	.010	.25	.035	.89	.389	9.88	15.5	27.5	100	C	130

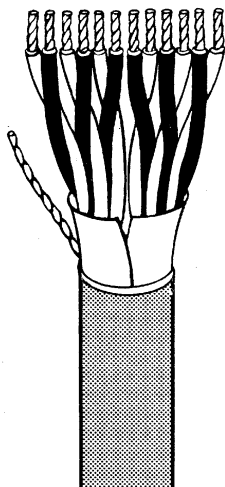
a = Capacitance between conductors.

b = Capacitance between 1 conductor and other conductors connected to shield.

* Quabbin may substitute CSA Type CMG or C(UL) in the future.

NOTE: These double shielded cables are very similar to the low capacitance constructions detailed on page 6-C. Please refer for possible substitution.

MULTIPAIR CABLE SHIELDED LOW CAP 28 AWG



Application: Low Capacitance RS-232 Computer Interconnect, Extended Distance Cable, V.11 or V.35. RoHS compliant

Construction: 24 AWG (7/32) tinned copper insulated with polyethylene and paired. Extruded stripe for color code. Multipairs cabled and shielded with overall aluminum/polyester tape and 24 AWG stranded tinned copper drain wire. Chrome gray PVC jacket.

Listing/Ratings: (UL) AWM Style 2448, 30 Volt 60°C
 CEC CMG*
 NEC Type CM 75°, Article 800
 Velocity of Propagation 66%

Part Number	No. of Pairs	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. pF/ft		Nom. Imped. Ohms	Color Code Table	1 M' Pkg. Weight Lbs.
		inch	mm	inch	mm	inch	mm	a	b			
8504	2	.015	.38	.032	.81	.235	5.97	14.0	25.9	110	D	27
8505	2 1/2	.015	.38	.032	.81	.235	5.97	14.0	25.9	110	D	30
8506	3	.015	.38	.032	.81	.263	6.68	13.5	25.0	110	D	35
8507	3 1/2	.015	.38	.032	.81	.272	6.91	13.5	25.0	110	D	37
8508	4	.015	.38	.032	.81	.277	7.03	13.0	24.0	110	D	43
8509	4 1/2	.015	.38	.032	.81	.289	7.34	13.0	24.0	110	D	46
8510	5	.015	.38	.032	.81	.318	8.08	12.8	23.6	120	D	48
8512	6	.015	.38	.032	.81	.324	8.22	12.8	23.6	120	D	54
8514	7	.015	.38	.032	.81	.350	8.89	12.8	23.6	120	D	63
8515	7 1/2	.015	.38	.032	.81	.354	8.99	12.8	23.6	120	D	65
8518	9	.015	.38	.037	.94	.399	10.13	12.5	21.5	120	D	78
8524	12	.015	.38	.037	.94	.424	10.77	12.5	21.5	120	D	89
8525	12 1/2	.015	.38	.037	.94	.425	10.80	12.5	21.5	120	D	94
8537	18 1/2	.015	.38	.048	1.22	.521	13.24	12.5	21.5	120	D	150

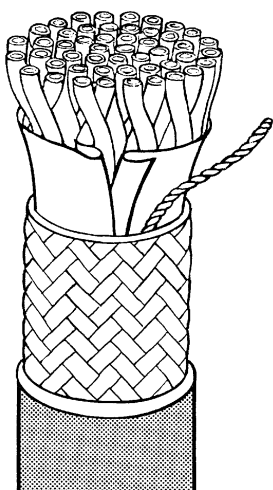
a = Capacitance between conductors.

b = Capacitance between 1 conductor and other conductors connected to shield.

* Quabbin may substitute CSA Type CMG or C(UL) in the future.

MULTIPAIR CABLE

DOUBLE SHIELDED LOW CAP 24 AWG



Application: Low Capacitance RS-485 Computer Interconnect, Extended Distance Cable, V.11 or V.35. RoHS compliant

Construction: 24 AWG (7/32) tinned copper insulated with polyethylene and paired. Extruded stripe for color code. Multipairs cabled and shielded with overall aluminum/polyester tape, 24 AWG stranded tinned copper drain wire, and 65% coverage tinned copper braid. Chrome gray PVC jacket

Listing/Ratings: (UL) AWM Style 2448, 30 Volt 60°C
 CSA Type CMG
 NEC Type CM
 Velocity of Propagation 66%

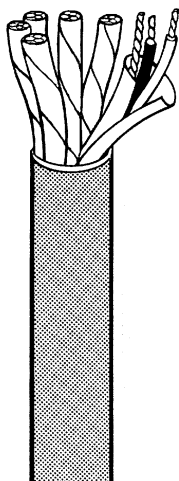
Part Number	No. of Pairs	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. pF/ft		Nom. Imped. Ohms	Color Code Table	1 M' Pkg. Weight Lbs.
		inch	mm	inch	mm	inch	mm	a	b			
8302	1	.025	.64	.032	.81	.238	6.05	15.5	29.0	100	D	21
8304	2	.015	.38	.032	.81	.250	6.35	14.0	25.9	110	D	34
8306	3	.015	.38	.032	.81	.258	6.55	13.5	25.0	110	D	45
8308	4	.015	.38	.032	.81	.298	7.57	13.0	24.0	110	D	53
8309	4 1/2	.015	.38	.032	.81	.312	7.91	13.0	24.0	110	D	55
8312	6	.015	.38	.032	.81	.330	8.36	12.8	23.6	120	D	71
8315	7 1/2	.015	.38	.032	.81	.356	9.02	12.8	23.6	120	D	85
8318	9	.015	.38	.032	.81	.392	9.96	12.5	21.5	120	D	94
8325	12 1/2	.015	.38	.036	.91	.442	11.23	12.5	21.5	120	D	115

a = Capacitance between conductors.

b = Capacitance between 1 conductor and other conductors connected to shield.

MULTIPAIR CABLE

PAIRS SHIELDED LOW CAP 24 AWG



Application: Audio, Low Capacitance RS-422 Computer Interconnect, Extended Distance Cable
RoHS compliant

Construction: 24 AWG (7/32) tinned copper insulated with foamed polypropylene and paired. Each pair isolated shielded with aluminum/polyester tape and 24 AWG stranded tinned copper drain wire. Shielded pairs cabled and jacketed with chrome gray PVC.

Listing/Ratings: (UL) AWM Style 2448 (except P/N 8602 which is style 2919)
CEC (See Note Below)
NEC Type as listed below
Velocity of Propagation 78%
Nominal Impedance 100 ohms

Part Number	No. of Pairs	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. pF/ft		NEC Type	Color Code Table	1 M' Pkg. Weight Lbs.
		inch	mm	inch	mm	inch	mm	a	b			
8602*	1	.023	.58	.032	.81	.203	5.16	12.5	23.2	CL2	C	21
8604*	2	.023	.58	.032	.81	.294	7.47	12.5	23.2	CM	C	46
8606*	3	.023	.58	.032	.81	.324	8.23	12.5	23.2	CM	C	57
8608	4	.023	.58	.032	.81	.430	10.92	12.5	23.2	CM	C	69
8612	6	.023	.58	.034	.86	.464	11.78	12.5	23.2	CM	C	97
8618	9	.023	.58	.047	1.19	.577	14.65	12.5	23.2	CM	C	139
8622	11	.023	.58	.047	1.19	.586	14.89	12.5	23.2	CM	C	159
8624	12	.023	.58	.047	1.19	.606	15.40	12.5	23.2	CM	C	175
8630	15	.023	.58	.065	1.65	.720	18.29	12.5	23.2	N/A	C	213
8634	17	.023	.58	.065	1.65	.747	18.97	12.5	23.2	N/A	C	232
8638	19	.023	.58	.065	1.65	.765	19.43	12.5	23.2	N/A	C	241
8654	27	.023	.58	.085	2.16	.880	22.35	12.5	23.2	N/A	C	368

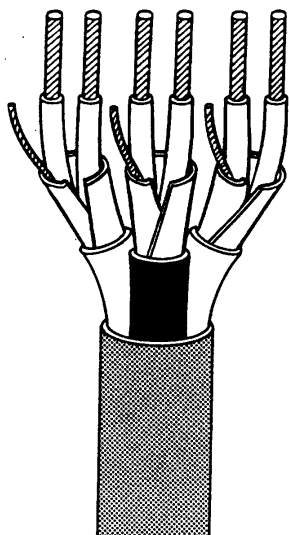
a = Capacitance between conductors.

b = Capacitance between 1 conductor and other conductors connected to shield.

NOTE: The part numbers indicated with an * have CEC CMG ratings.
Quabbin may substitute CSA Type CMG or C(UL) in the future.

MULTIPAIR CABLE

PAIRS SHIELDED & JACKETED 24 AWG


Application:

“Snake” cable to interconnect multichannel audio control consoles. Pair shields and jackets bonded to allow easy automatic stripping. RoHS compliant

Construction:

24 AWG (7/32) tinned copper, insulated with polyethylene and paired. Each pair shielded with aluminum/vinyl tape and 24 AWG stranded tinned copper drain wire. Each pair with red or black PVC jacket. Jacketed pairs cabled with overall black matte finished PVC jacket. See color code below.

Listing/Ratings:

(UL) AWM Style 2448, 30 Volt 60°C
 Velocity of Propagation 66%
 Nominal Impedance 50 ohms

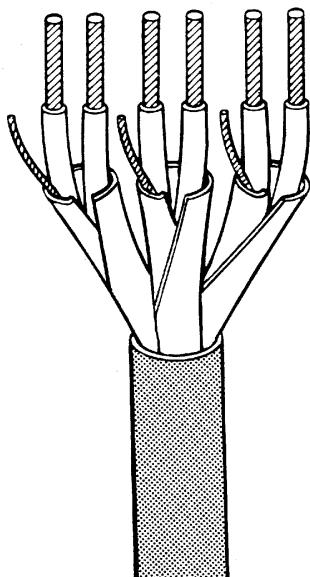
Part Number	No. of Pairs	Insulation Thickness		Pair Jacket Thickness		Pair Jacket Diameter	O/A Jacket Thickness		Nominal Diameter		Nom. Cap. pF/ft		1 M' Pkg. Weight Lbs.
		inch	mm	inch	mm		inch	mm	inch	mm	a	b	
8904	2	.008	.20	.015	.38	.113	.032	0.81	.293	7.44	28.5	53	40
8908	4	.008	.20	.015	.38	.113	.032	0.81	.341	8.60	28.5	53	58
8912	6	.008	.20	.015	.38	.113	.032	0.81	.395	10.0	28.5	53	77
8916	8	.008	.20	.015	.38	.113	.032	0.81	.446	11.3	28.5	53	105
8924	12	.008	.20	.015	.38	.113	.047	1.19	.555	14.1	28.5	53	170
8932	16	.008	.20	.015	.38	.113	.047	1.19	.630	16.0	28.5	53	205
8948	24	.008	.20	.015	.38	.113	.047	1.19	.767	19.5	28.5	53	301

a = Capacitance between conductors.

b = Capacitance between 1 conductor and other conductors connected to shield.

Circuit Identification: Each pair red/black. Pair jackets alternated red and black with numbers imprinted.

MULTIPAIR CABLE PAIRS SHIELDED 22 AWG


Application:

Point of Sale, Control and Computer Interconnect Cable. RoHS compliant

Construction:

22 AWG (7/30) tinned copper insulated with polypropylene and paired. Each pair shielded with aluminum/polyester tape and drain wire. Part number 7395 has common stranded tinned copper drain wire with pairs cabled on common axis. Part number 7400 has individual drain wires with pairs cabled. Both jacketed with chrome gray PVC

Listing/Ratings:

P/N 7395: CEC CM*
 P/N 7400: (UL) AWM Style 2919, 30 Volt 80°C
 NEC Type CM, Article 800
 Velocity of Propagation 66%

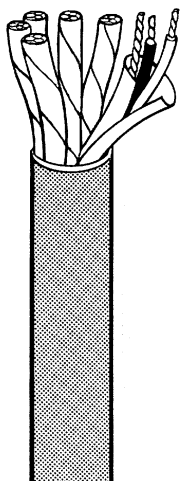
Part Number	No. of Pairs	Nom. Imped. (Ohms)	Drain Wire AWG	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. pF/ft		Color Code Table	1M' Pkg Weight Lbs.
				inch	mm	inch	mm	inch	mm	a	b		
7395	2	45	24 7/32	.008	.20	.019	.48	.165	4.19	35	62	Red x Blk Wh x Gm	23
7400	3	50	22 7/30	.010	.25	.034	.86	.268	6.81	28	53	Table C	46

a = Capacitance between conductors.

b = Capacitance between 1 conductor and other conductors connected to shield.

*Quabbin may substitute CSA Type CMG or C(UL) in the future.

MULTIPAIR CABLE PAIRS SHIELDED 22 AWG



Application: Audio Control and Computer Interconnect Cable. RoHS compliant

Construction: 22 AWG (7/30) tinned copper insulated with polyethylene and paired. Each pair shielded with aluminum/polyester tape and 22 AWG stranded tinned copper drain wire. Shielded pairs cabled and jacketed with chrome gray PVC

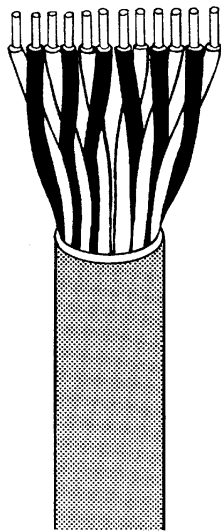
Listing/Ratings: (UL) AWM Style 2919, 30 Volt 80°C
 CEC Type CMG *
 NEC Type CM 75°, Article 800 (as listed below)
 Velocity of Propagation 66%

Part Number	No. of Pairs	Nom. Imped. Ohms	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. pF/ft		NEC Type	Color Code Table	1 M' Pkg. Weight Lbs.
			inch	mm	inch	mm	inch	mm	a	b			
7405*	6	50	.012	.30	.032	.81	.372	9.45	30	55	CM	C	78
7410*	9	50	.012	.30	.032	.81	.440	11.18	30	55	CM	C	116
7415*	11	50	.012	.30	.032	.81	.480	12.19	30	55	CM	C	132
7420*	12	50	.012	.30	.032	.81	.483	12.27	30	55	CM	C	142
7425*	15	50	.012	.30	.048	1.22	.574	14.58	30	55	CM	C	191
7430	17	50	.012	.30	.048	1.22	.612	15.54	30	55	CM	C	213
7435	19	50	.012	.30	.048	1.22	.616	15.65	30	55	CM	C	227
7440	27	50	.012	.30	.055	1.40	.740	18.80	30	55	CM	C	307
7445	37	50	.012	.30	.065	1.65	.889	22.58	30	55	—	C	442

a = Capacitance between conductors.

b = Capacitance between 1 conductor and other conductors connected to shield.

NOTE: The part numbers indicated with an * have CEC CMG ratings.
 The other parts have no Canadian approval.



Application: Control and Sound Interconnect Cable. RoHS compliant

Construction: 22 AWG (7/30) tinned copper insulated with semi-rigid PVC and paired. Multipairs cabled and jacketed with chrome gray PVC

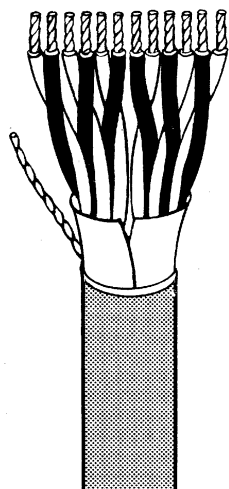
Listing/Ratings: (UL) AWM Style 2464, 300 Volt 80°C
 CSA AWM I/II A/B FT4, 300 Volt 80°C** (See Note below)
 NEC Type CM, Article 800
 Velocity of Propagation 60%

Part Number	No. of Pairs	Insulation Thickness		Jacket Thickness		Nominal Diameter		Color Code Table	1M' Pkg Weight Lbs.
		inch	mm	inch	mm	inch	mm		
7260	2	.010	.25	.032	.81	.227	5.77	C	27
7265	3	.010	.25	.032	.81	.239	6.07	C	36
7270	4	.010	.25	.032	.81	.274	6.96	C	46
7275	6	.010	.25	.032	.81	.319	8.10	C	63
7280	9	.010	.25	.032	.81	.382	9.70	C	85
7285	12	.010	.25	.032	.81	.397	10.08	C	107
7290	15	.010	.25	.035	.89	.468	11.89	C	135
7295	19	.010	.25	.035	.89	.501	12.73	C	165
7300	23	.010	.25	.040	1.02	.555	14.10	C	197
7305*	27	.010	.25	.040	1.02	.633	16.08	C	225

NOTE: The part number indicated with * is CSA FT1 rated.

**Quabbin may substitute CSA Type CMG or C(UL) in the future.

MULTIPAIR CABLE SHIELDED 18 & 22 AWG



Application: 300 Volt Power Limited Tray Cable, sunlight resistant jacket. RoHS compliant

Construction: Stranded tinned copper as listed below, insulated with PVC and paired. Multipairs cabled and shielded with overall aluminum/polyester tape and stranded tinned copper drain wire. Chrome gray PVC jacket.

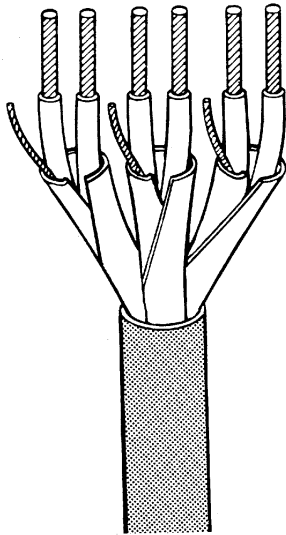
Listing/Ratings: (UL) AWM Style 2464, 300 Volt 80°C
 CSA AWM I/II A/B FT4, 300 Volt 90°C**
 (See Note)
 CEC FAS 105 FT4, 300 Volt 105°C
 NEC Type PLTC, Article 725

Part Number	No. of Pairs	AWG Strand	Insulation Thickness		Jacket Thickness		Nominal Diameter		Color Code	1M' Pkg Weight Lbs.
			inch	mm	inch	mm	inch	mm		
0240	2	22 7/30	.016	.41	.043	1.09	.265	6.73	Each pair: Blk x Red (Pairs numbered)	40
0245	3	22 7/30	.016	.41	.043	1.09	.286	7.26	"	50
0250	4	22 7/30	.016	.41	.043	1.09	.340	8.64	"	65
0255	6	22 7/30	.016	.41	.053	1.35	.420	10.67	"	95
0260	9	22 7/30	.016	.41	.053	1.35	.503	12.78	"	126
0265	11	22 7/30	.016	.41	.053	1.35	.506	12.85	"	150
0270	15	22 7/30	.016	.41	.053	1.35	.591	15.01	"	185
0275	19	22 7/30	.016	.41	.063	1.60	.659	16.74	"	230
0280*	27	22 7/30	.016	.41	.063	1.60	.740	18.80	"	325
0290	2	18 16/30	.016	.41	.043	1.09	.311	7.90	"	60
0295	3	18 16/30	.016	.41	.053	1.35	.390	9.91	"	90
0300	4	18 16/30	.016	.41	.053	1.35	.400	10.16	"	110
0305	6	18 16/30	.016	.41	.053	1.35	.490	12.45	"	145
0310	9	18 16/30	.016	.41	.053	1.35	.555	14.10	"	223
0315	11	18 16/30	.016	.41	.063	1.60	.662	16.82	"	261
0320	15	18 16/30	.016	.41	.063	1.60	.737	18.72	"	331

NOTE: The part number indicated with * has no CSA rating.

**Quabbin may substitute CSA Type CMG or C(UL) in the future.

MULTIPAIR CABLE PAIRS SHIELDED 20 AWG


Application:

Direct Burial Roadway Loop, Control Cable.
RoHS compliant

Construction:

20 AWG tinned copper as listed below, insulated with polypropylene and paired. Each pair shielded with aluminum/polyester tape and 22 AWG tinned copper drain wire. P/N 6183 drain wire is solid, 6170 and 6175 drains are 7/30 stranded. Shielded pairs cabled and jacketed with black high density polyethylene

Listing/Ratings:

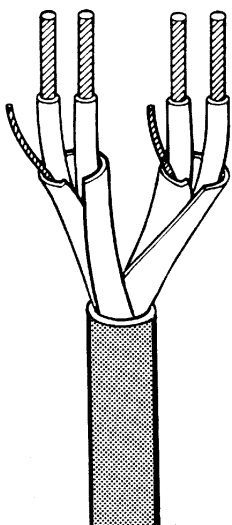
Mfr's Suggested Working Voltage: 350 Volts

Part Number	No. of Pairs	Strand	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. pF/ft		Color Code Table	1 M' Pkg. Weight Lbs.
			inch	mm	inch	mm	inch	mm	a	b		
6183	1	Solid	.013	.33	.035	.89	.189	4.80	25	46	Blk/Wht	19
6170	3	10/30	.013	.33	.040	1.02	.330	8.38	30	55	C	53
6175	6	10/30	.013	.33	.045	1.14	.425	10.80	30	55	C	97

a = Capacitance between conductors.

b = Capacitance between 1 conductor and other conductors connected to shield.

MULTIPAIR CABLE PAIRS SHIELDED 20 AWG



Application: Data and Computer Interconnect Cable.
RoHS compliant

Construction: 20 AWG (7/28) stranded tinned copper insulated with semi-rigid PVC and paired. Each pair isolated shielded with aluminum/polyester tape and 22 AWG stranded tinned copper drain wire. Pairs cabled on common axis, reducing diameter, and jacketed with chrome gray PVC

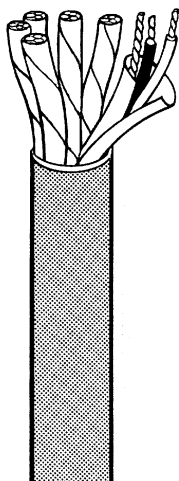
Listing/Ratings: (UL) AWM Style 2464, 300 Volt 80°C
CSA AWM I/II A/B FT4, 300 Volt 80°C*
NEC Type CM, Article 800
Nominal impedance 40.5 Ohms

Part Number	No. of Pairs	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. pF/ft.		Color Code	1M' Pkg Weight Lbs.
		inch	mm	inch	mm	inch	mm	a	b		
6151	2	.010	.25	.032	.81	.225	5.72	47	85	Blk x Red Grn x Wht	39

a = Capacitance between conductors.

b = Capacitance between 1 conductor and other conductors connected to shield.

*Quabbin may substitute CSA Type CMG or C(UL) in the future.



Application: Data and Computer Interconnect Cable.
RoHS compliant

Construction: Stranded tinned copper as listed below, insulated with polyethylene and paired. Each pair isolated shielded with aluminum/polyester tape and stranded tinned copper drain wire. Shielded pairs cabled and jacketed with chrome gray PVC

Listing/Ratings: (UL) AWM Style 2919, 30 Volt 80°C
CEC (See Note below)
NEC Type CM 75°, Article 800
Velocity of Propagation 66%
Nominal Impedance 50 ohms

Part Number	No. of Pairs	AWG Strand	Drain Wire AWG	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. pF/ft.		Color Code Table	1M' Pkg Weight Lbs.
				inch	mm	inch	mm	inch	mm	a	b		
4185*	3	18 16/30	20	.016	.41	.035	.89	.370	9.40	28	53	C	85
4190*	6	18 16/30	20	.016	.41	.048	1.22	.523	13.28	28	53	C	159
4195	9	18 16/30	20	.016	.41	.048	1.22	.622	15.80	28	53	C	224
4200	12	18 16/30	20	.016	.41	.048	1.22	.675	17.15	28	53	C	310
4205	15	18 16/30	20	.016	.41	.048	1.22	.735	18.67	28	53	C	368
6155*	3	20 7/28	22	.013	.33	.035	.89	.325	8.26	30	55	C	62
6160*	6	20 7/28	22	.013	.33	.035	.89	.426	10.82	30	55	C	105
6165*	9	20 7/28	22	.013	.33	.035	.89	.485	12.32	30	55	C	160
6166*	11	20 7/28	22	.013	.33	.048	1.22	.570	14.48	30	55	C	184
6167	12	20 7/28	22	.013	.33	.048	1.22	.608	15.44	30	55	C	198
6169	15	20 7/28	22	.013	.33	.048	1.22	.662	16.81	30	55	C	246

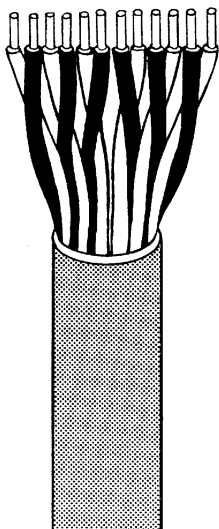
a = Capacitance between conductors.

b = Capacitance between 1 conductor and other conductors connected to shield.

NOTE: The part numbers indicated with * have CEC CMG ratings. All others are not CSA rated. Quabbin may substitute CSA Type CMG or C(UL) in the future.

MULTIPAIR CABLE

UNSHIELDED 18 & 20 AWG



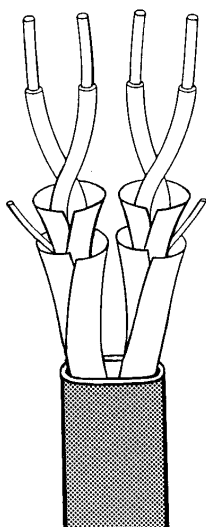
- Application:** Instrumentation, Audio, and Control Cable.
RoHS compliant
- Construction:** Stranded tinned copper as listed below, insulated with PVC and paired. Multipairs are cabled and jacketed with chrome gray PVC
- Listing/Ratings:** (UL) AWM Style 2464, 300 Volt 80°C
CSA AWM I/II A/B FT4, 300 Volt 80°C*
NEC Type CM, Article 800
Mutual capacitance (18 AWG) 17 pF/ft nominal
Mutual capacitance (20AWG) 26 pF/ft nominal

Part Number	No. of Pairs	AWG Strand	Insulation Thickness		Jacket Thickness		Nominal Diameter		Color Code Table	1M' Pkg Weight Lbs.
			inch	mm	inch	mm	inch	mm		
4145	2	18 16/30	.013	.33	.032	.81	.282	7.16	C	48
4150	3	18 16/30	.013	.33	.032	.81	.316	8.03	C	63
4155	4	18 16/30	.013	.33	.032	.81	.365	9.27	C	82
4158	5	18 16/30	.013	.33	.035	.89	.400	10.16	C	98
4160	6	18 16/30	.013	.33	.035	.89	.432	10.97	C	122
6130	1	20 7/28	.013	.33	.032	.81	.192	4.88	C	22
6135	3	20 7/28	.013	.33	.035	.89	.290	7.37	C	51
6136	6	20 7/28	.013	.33	.035	.89	.396	10.06	C	87
6137	9	20 7/28	.013	.33	.040	1.02	.420	10.67	C	119
6138	15	20 7/28	.013	.33	.040	1.02	.588	14.74	C	190

*Quabbin may substitute CSA Type CMG or C(UL) in the future.

SECTION D CONTENTS

Shielded 1-Pair Thru 12-Pair, 100 Ohm T-1, DS-1, xDSL	1-D, 2-D, 3-D, 4-D, 5-D
Shielded 2-Pair Thru 12-Pair, 120 Ohm E-1	6-D, 7-D
75 Ohm DS-3 Coax	8-D, 9-D, 10-D
Shielded IBM Type 6	11-D
Unshielded Category 3 Patch	12-D
Unshielded Category 5 Patch, Shielded Category 5 Horizontal	13-D, 14-D
Unshielded 2-Pair Patch for 10Base-T, 100Base-T, xDSL, ATM	15-D
Unshielded and Shielded Category 5e Patch. Tested to 100 MHz	16-D, 17-D
Double Shielded (SF/UTP) Category 5e Patch. Tested To 100 MHz	18-D
Low Smoke Zero Halogen Shielded and Unshielded, 4-Pair Category 5e and 6 Patch	19-D, 23-D, 26-D
Unshielded 100 Ohm Single Pair, Category 5e Cross-Connect, Digital Audio	20-D
Unshielded 4-Pair Category 5e Patch and Horizontal Tested to 350 MHz	21-D, 22-D
Unshielded 4-Pair Category 6 Patch and Horizontal. Patch Tested to 600 MHz	24-D, 25-D, 27-D
Shielded (F/UTP) Category 6 Patch. Tested To 250 MHz	28-D
Unshielded and Shielded 4-Pair Double Jacketed Augmented Category 6A Patch	29-D, 30-D, 31-D, 32-D



Application: Interconnect cable for T-1 (DS-1) and XDSL circuits. The 22 AWG cables reduce emissions for NEBS and FCC system testing. Legs terminate to eight position shielded or unshielded modular connectors when outer insulation layer is removed.* RoHS compliant. (Refer to page 2-D for premise installation demarc extension cable.)

Construction: Two pair tinned copper with 2-layer composite insulation. Each pair individually shielded with aluminum/polyester tape (aluminum out) with a solid, tinned copper drain. Shields isolated and cable covered with PVC (CMR) or PVDF (CMP) oval jacket. 4-pair color code per Table G. 2-pair blue x white, orange x white

Listing/Ratings: NEC type and CEC listed below
 Nom. impedance: 100 ohms +/- 10% @ 1 MHz
 Velocity of propagation: 71%
 Nominal Mutual capacitance: 15 pf/ft
 ANSI T1.403 and T1.102 compliant to 200 meters**

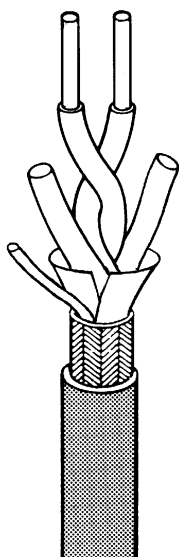
Part Number	AWG Stranding	NEC Type	CEC Listing	Jacket Color	Insulation Thickness* (inches/mm)	Jacket Thickness (inches/mm)	Nominal Dimensions (inches)	1 M' Pkg Weight (Lbs.)
9720	22 Solid	CMR	CMR	Beige	.020/.51	.022/.56	.178 x .315	38
9722	22 Solid	CMR	CMR	Red	.020/.51	.022/.56	.178 x .315	38
9732	22 Solid	CMP	CMP	Red	.017/.43	.015/.38	.160 x .290	39
9738	22 Solid	CMP	CMP	Gray	.017/.43	.015/.38	.160 x .290	39
9770**	24 Solid	CMR	CMR	Beige	.020/.51	.022/.56	.170 x .300	30
9760**	26 7/34	CMR	--	Beige	.020/.51	.022/.56	.171 x .298	23

ATTENUATION CHART**

Frequency (MHz)	Attenuation (db/1000 ft)		
	22 AWG	24 AWG	26 AWG
.772	-5.5	-6.6	-8.25
1.544	-7.7	-8.7	-11.6
3.152	-10.9	-12.3	-16.4

*Diameter over inner insulation layer is 0.034"-0.038" (0.86-0.91 mm).

**Due to increased attenuation of 24 AWG, maximum effective distance for T-1 transmission is 160 meters and 26 AWG construction is used in patching applications.



Application: Interconnect cable for T-1 (DS-1) circuits. These double shielded designs reduce emissions for NEBS and FCC system testing. P/N 9701 will terminate to shielded or unshielded modular connectors when outer insulation layer is removed.* P/N 6204 will not. RoHS compliant

Construction: Solid tinned copper as listed below. 9701 insulated with 2-layer composite polyolefin, 6204 with single layer polyethylene. Single pair cabled with fillers as required and a double overall shield. P/N 9701 shield as shown with aluminum/polyester tape (drain wire out) and an overall 36 AWG braid. P/N 6204 shielded with two 34 AWG braids and a drain wire between braids. Beige PVC jacket

Listing/Ratings: NEC type and CEC listed below
 Nom. impedance: 100 ohms @ 1 MHz
 Temperature rating 60°C Max.
 Nom. mutual capac.: 9701 15 pf/ft, 6204 16 pF/ft.
 ANSI T1.403 and T1.102 compliant to 200 meters**

Part Number	AWG Stranding	NEC Type	CEC Listing	Insulation Thickness (inches/mm)	Jacket Thickness (inches/mm)	Nominal Diameter (inches/mm)	1 M' Pkg Weight (Lbs.)
6204**	24 Solid	CM	--	.018/.46	.020/.51	.224/5.69	43
9701	22 Solid	CM	CM	.020/.51*	.025/.64	.208/5.28	31

ATTENUATION (dB/1000 ft.)

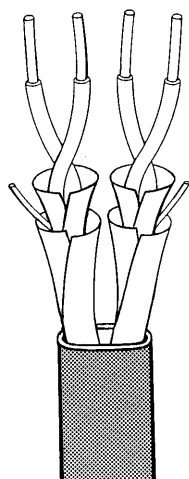
Frequency (MHz)	P/N 9701 22 AWG	P/N 6204** 24 AWG
0.772	-5.5	-6.1
1.024	--	-7.3
1.544	-7.7	--
1.576	--	-9.8
3.152	-10.9	-14.0
4.224	--	-15.9

CONDUCTOR COLOR CODE

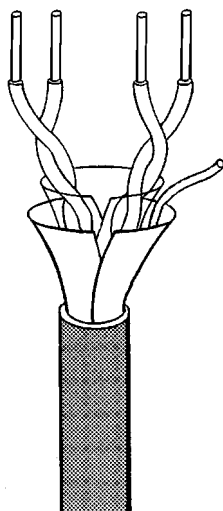
Pair	P/N 6204	P/N 9701
1	Blue/White X White/Blue	Blue X White/Blue

*Diameter over inner insulation layer is 0.034"-0.038" (0.86-0.91 mm).

**Due to increased attenuation of 24 AWG, maximum effective distance for T-1 transmission is 160 meters.



P/N 9719



P/N 6206

Application:

Interconnect cable for extending T-1 (DS-1) or XDSL circuits from the Telco demarc into the LAN or premise. Cables transmit ANSI T1-403 T-1 pulse, connecting to CSU, DSU, IAD, or routers. Will terminate to modular connectors (remove outer insulation layer for 9719). RoHS compliant. (Refer to page 1-D for Central Office application T-1 cable.)

Construction:

Two pair solid tinned copper with AWG shown below, insulated with polyolefin. 9719 pair have individual isolated aluminum/polyester tape shields (aluminum out) with solid, tinned copper drain wires. 6206 pair have overall polyester wrap and aluminum/polyester tape shield (aluminum in) with a solid, tinned copper drain. Both are jacketed with gray PVC. 9719 is oval, 6206 is round. Pair color code per Table G

Listing/Ratings:

Impedance: 100 Ohms +/- 10%
 NEC and CEC, see table below
 Mutual capacitance @ 1 MHz P/N 6206 14.0 pF/ft
 P/N 9719 15.0 pF/ft
 Attenuation, see table below
 ANSI T1.403 and T1.102 compliant to 200 meters**

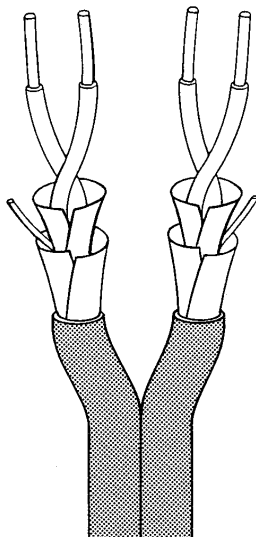
Part Number	AWG Stranding	NEC/CEC	Insulation Thickness (inches/mm)	Jacket Thickness (inches/mm)	Nominal Dimensions (inches/mm)	1 M' Pkg Weight (Lbs.)
9719	22 Solid	CMR	.020*/.51*	.022/.56	.178 x .315 4.52 x 8.00	38
6206**	24 Solid	CM	.009/.23	.025/.64	.210/5.33	19

ATTENUATION CHART**

Frequency (MHz)	Attenuation (db/1000 ft)	
	22 AWG	24 AWG
.772	-5.5	-6.6
1.544	-7.7	-8.7
3.152	-10.9	-12.3

*Diameter over inner insulation layer is 0.034"-0.038" (0.86-0.91 mm).

**Due to increased attenuation of 24 AWG, maximum effective distance for T-1 transmission is 160 meters.



Application: Dual or shotgun style interconnect cable suitable for T-1 (DS-1) and XDSL circuits. Properly terminated, P/N 9745 significantly reduces emissions and enhances performance for NEBS and FCC emissions testing in a system. RoHS compliant. Legs will terminate to eight position shielded or unshielded modular connectors when the outer insulation layer is removed.* / **

Construction: Two pair, solid, tinned or bare copper, insulated with composite insulation layers. Each pair is individually shielded with aluminum/polyester tape (aluminum out) with a solid, tinned copper drain. Each pair is electrically isolated by a polyester tape. Green PVC jacket over both legs with a thin web that may be easily separated. Pair color code per Table G

Listing/Ratings: NEC and CEC Type CMR
 Nom. impedance: 100 ohms +/-10%
 Velocity of propagation: 71%
 Nominal mutual capacitance: 16 pF/ft
 Attenuation as listed below
 ANSI T1.403 and T1.102 compliant to 200 meters**

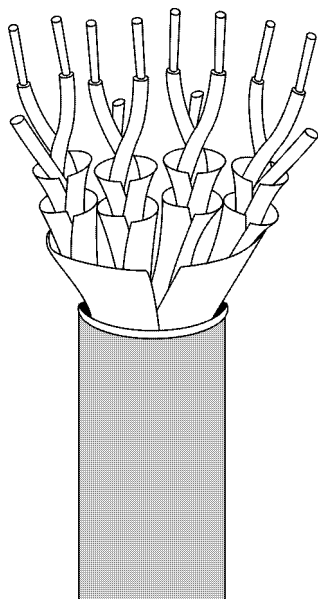
Part Number	AWG	Insulation Thickness* (inches/mm)	Jacket Thickness (inches/mm)	Nominal Dimensions (inches/mm)	1 M' Pkg Weight (Lbs.)
9745	22	.020/.51	.034/.86	0.200 x .400 5.08 x 10.16	39
9755**	24	.020/.51	.030/.76	0.186 x 0.372 4.72 x 9.45	37

ATTENUATION CHART**

Frequency (MHz)	Attenuation (db/1000 ft)	
	24 AWG	22 AWG
0.772	- 6.6	- 5.5
1.544	- 8.7	- 7.7
3.152	-12.3	-10.9

*Diameter over inner insulation layer is 0.034"-0.038" (0.86-0.91 mm).

**Due to increased attenuation of 24 AWG, maximum effective distance for T-1 transmission is 160 meters.


Application:

Interconnect cable suitable for T-1 (DS-1) and XDSL circuits. Designed for switching and transmission equipment where low loss individually shielded pairs are required. RoHS compliant

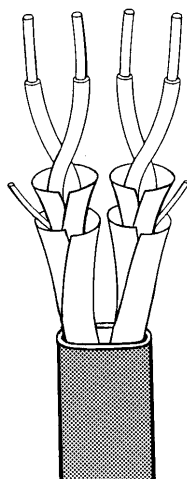
Construction:

Multipair, 22 AWG solid tinned copper insulated with foamed polypropylene. Each pair is individually shielded with aluminum/polyester tape (aluminum in), with a solid 24 AWG tinned copper drain. Each pair is electrically isolated with a polyester tape. There is an overall polyester tape and a gray PVC jacket. Color code per Table G

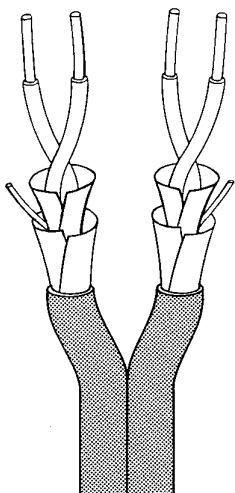
Listing/Ratings:

NEC and CEC C(UL) Type CM
 Nom. impedance: 100 ohms +/-10% @ 1MHz
 Nom. mutual capacitance: 15 pF/ft
 Attenuation: 5.5 db/1000 ft at 0.772 MHz
 ANSI T1.403 and T1.102 compliant to 200 meters

Part Number	No. of Pairs	Insulation Thickness (inches/mm)	Jacket Thickness (inches/mm)	Nominal Diameter (inches/mm)	1 M' Pkg Weight (Lbs.)
9784	4	.020/.51	.034/.86	.400/10.16	67
9786	6	.020/.51	.034/.86	.481/12.22	95
9788	8	.020/.51	.034/.86	.562/14.27	153
9712	12	.020/.51	.034/.86	.590/14.99	165



P/N 9928



P/N 9945**

Application:

Interconnect cable suitable for European E-1 and XDSL circuits. Legs will terminate to eight position shielded or unshielded modular connectors when the outer insulation layer is removed.* RoHS compliant

Construction:

Oval and shotgun style 2-pair cable with 24 AWG solid tinned copper insulated with composite insulation layers. Each pair is individually shielded with aluminum/polyester tape (aluminum out) with a solid, tinned copper drain. Each pair is electrically isolated by a polyester tape. There is an overall PVC jacket.

Listing/Ratings:

NEC and CEC C(UL) Type CMR
 Nom. impedance: 120 ohms +/-10%
 Velocity of propagation: 71%
 Nom. mutual capacitance: 15 pf/ft
 Attenuation as listed below

Part Number	Jacket Color	Insulation Thickness* (inches/mm)	Jacket Thickness (inches/mm)	Nominal Dimensions (inches/mm)	1 M' Pkg Weight (Lbs.)
9928	Beige	.023/.58	.022/.56	.182 x .320 4.62 x 8.13	40
9945	Green	.023/.58	.022/.56	.206 x .412 5.23 x 10.46	41

ATTENUATION CHART

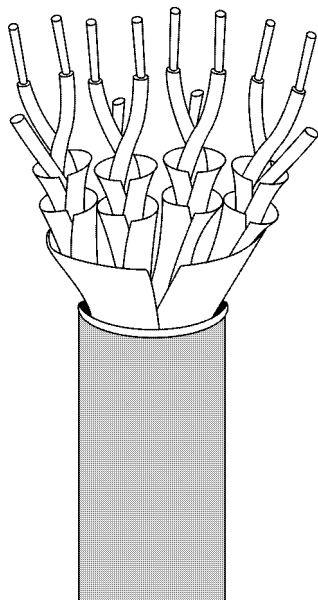
Frequency (MHz)	Attenuation (db/1000 ft)
0.772	- 5.5
1.000	-6.7
1.544	- 7.7
3.152	-10.9

COLOR CODE CHART

Pair	P/N 9928	P/N 9945
1	Blue X White/Blue	Black x Red
2	Orange X White/Orange	White x Green

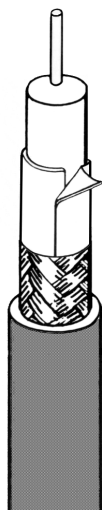
*Diameter over inner insulation layer is 0.034"-0.038" (0.86-0.91 mm).

**9945 is a zip cord construction; the two pairs may be separated while remaining jacketed.

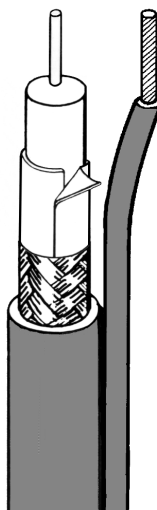


- Application:** Digital transmission cable suitable for European E-1 and XDSL circuits. Designed for switching and transmission equipment where low loss individually shielded pairs are required. RoHS compliant
- Construction:** Multipair, 22 AWG solid tinned copper, insulated with foamed polypropylene. Each pair is individually shielded with aluminum/polyester tape (aluminum in), with a solid 24 AWG tinned copper drain. Each pair is electrically isolated with a polyester tape. Overall polyester tape and a gray PVC jacket. Pair color code per Table G
- Listing/Ratings:** NEC and CEC C(UL) Type CM
Nom. impedance: 120 ohms +/-10%
Mutual capacitance: 15 pF/ft
Attenuation: 6.7 db/1000 ft at 1.0 MHz

Part Number	No. of Pairs	Insulation Thickness (inches/mm)	Jacket Thickness (inches/mm)	Nominal Diameter (inches/mm)	1 M' Pkg Weight (Lbs.)
9984	4	.026/.66	.034/.86	.458/11.63	78
9986	6	.026/.66	.034/.86	.541/13.74	104
9988	8	.026/.66	.034/.86	.649/16.48	146
9912	12	.026/.66	.034/.86	.719/18.26	177



P/N 2735



P/N 2701

Application:

Double shielded Type 735A coaxial cable suitable for DS-3 (T-3) circuits. Designed for WAN and central office equipment applications where low loss and low signal distortion are required. Contact Quabbin's Sales Department for connector and RoHS information.

Construction:

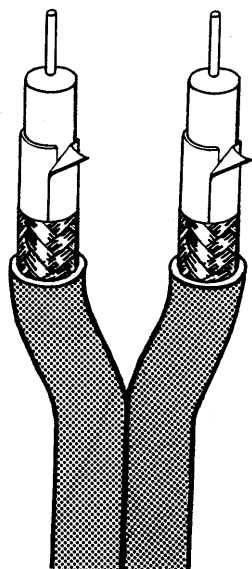
Silver plated copper 26 AWG solid conductor insulated with high density foamed polyethylene. Double shielded with longitudinally wrapped aluminum/polyester foil tape (100% coverage), combined with 38 AWG braid (90% coverage). Jacketed with gray flame-retardant PVC. P/N 2701 has 22 AWG stranded parallel tracer wire

Listing/Ratings:

Nom. impedance: 75 +/- 3 Ohms at 100MHz
 Nom. mutual capacitance: 17.5 pF/ft
 Return loss: 30 dB Min. 15-90 MHz
 Velocity of propagation: 75%
 NEC and CEC: Type CMR
 Certified to Bellcore GR-139-Core requirements.

Part Number	Insulation Thickness		Jacket Thickness		Nominal Diameter		1M' Pkg Weight Lbs.
	inch	mm	inch	mm	inch	mm	
2735	.030	.76	.015	.38	.130	3.30	13
01060	.030	.76	.015	.38	.130 X .191	3.30 X 4.85	20

Frequency (MHz)	Attenuation (dB/100 ft)	
	Typical	Maximum
1.000	0.520	0.600
1.024	0.523	---
4.224	1.010	---
5.000	1.100	1.200
10.000	1.530	1.700
17.184	2.020	---
22.368	2.310	---
25.920	2.490	---
44.736	3.280	---
50.000	3.470	3.800
69.632	4.110	---
77.760	4.350	---
100.000	4.950	5.500
137.088	5.820	---
200.000	7.080	7.800


Application:

Dual double shielded Type 735A coaxial cable suitable for DS-3 (T-3) circuits. Designed for WAN, cellular antenna, and Central Office equipment applications where low loss and low signal distortion are required. Contact Quabbin for coaxial connector and RoHS information

Construction:

Silver plated 26 AWG solid copper conductor, insulated with high density foamed polyethylene. Double shielded with longitudinally wrapped aluminum/polyester foil tape (100% coverage), combined with a 38 AWG, 90% coverage braid. Two coaxial legs in parallel, jacketed with gray flame-retardant PVC. P/N 2703 has a stranded 22 AWG tinned copper tracer wire between the coaxial legs. See note below

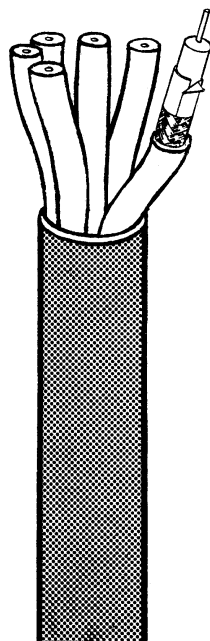
Listing/Ratings:

Nom. impedance: 75 +/- 3 Ohms at 100 MHz
 Mutual capacitance: 17.5 pF/ft
 Return loss: 30 dB Min. 15-90 MHz
 Velocity of propagation: 75%
 NEC and CEC Type CMR
 Max. DC Resistance 45 Ohms/K ft
 Certified to Bellcore GR-139-Core requirements

Part Number	Tracer Wire	Insulation Thickness		Jacket Thickness		Nominal Dimensions inch/mm	1M' Pkg Weight Lbs.
		inch	mm	inch	mm		
2702	No	.030	.76	.015	.38	0.130 x 0.260 3.30 x 6.60	27
2703	Yes	.030	.76	.015	.38	0.130 x 0.320 3.30 x 8.13	29

Note: Both P/Ns have one leg printed providing product description, date of manufacture, circuit identification, and sequential footage.

Frequency (MHz)	Attenuation (dB/100 ft)	
	Typical	Maximum
1.000	0.520	0.600
1.024	0.523	---
4.224	1.010	---
5.000	1.100	1.200
10.000	1.530	1.700
17.184	2.020	---
22.368	2.310	---
25.920	2.490	---
44.736	3.280	---
50.000	3.470	3.800
69.632	4.110	---
77.760	4.350	---
100.000	4.950	5.500
137.088	5.820	---
200.000	7.080	7.800


Application:

Bundles of double shielded Type 735A coaxial cables suitable for DS-3 (T-3) circuits. Designed for WAN, cellular antenna, and Central Office equipment applications where low loss and low signal distortion are required. These cables will terminate to most industry standard type 735A connectors. Contact Quabbin for coaxial connector and RoHS information.

Construction:

Silver plated 26 AWG solid copper conductor, insulated with high density foamed polyethylene. Double shielded with longitudinally wrapped aluminum/polyester foil tape (100% coverage), combined with a 38 AWG, 90% coverage braid. Each coax jacketed with 0.015 inch gray flame-retardant PVC. Bundle jacketed with 0.025 inch gray flame-retardant PVC.

Listing/Ratings:

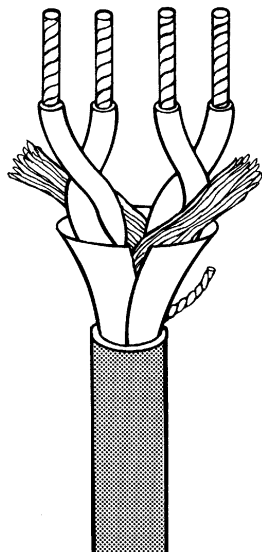
Nom. impedance: 75 +/- 3 Ohms at 100 MHz
 Mutual capacitance: 17.5 pF/ft
 Return loss: 30 dB Min. 15-90 MHz
 Velocity of propagation: 75%
 NEC and CEC: Type CMR
 Max. DC Resistance: 45 Ohms/K ft
 Certified to Bellcore GR-139-Core requirements

Part Number	Number of Coaxes*	Insulation Diameter		Nominal Diameter		1M' Pkg Weight Lbs.
		inch	mm	inch	mm	
2700	3	.030	.76	0.321	8.15	60
2706	6	.030	.76	0.427	10.85	101
2708	8	.030	.76	0.489	12.42	132
2709	9	.030	.76	0.525	13.34	147
2712	12	.030	.76	0.576	14.63	196
2716	16	.030	.76	0.664	16.87	251
2724	24	.030	.76	0.827	21.01	379

Frequency (MHz)	Attenuation (dB/100 ft)	
	Typical	Maximum
1.000	0.520	0.600
1.024	0.523	---
4.224	1.010	---
5.000	1.100	1.200
10.000	1.530	1.700
17.184	2.020	---
22.368	2.310	---
25.920	2.490	---
44.736	3.280	---
50.000	3.470	3.800
69.632	4.110	---
77.760	4.350	---
100.000	4.950	5.500
137.088	5.820	---
200.000	7.080	7.800

*Other combinations available upon request.

Note: Each individual coaxial jacket is number printed for circuit identification. Overall jacket is printed with product description, date of manufacture, and sequential footage.



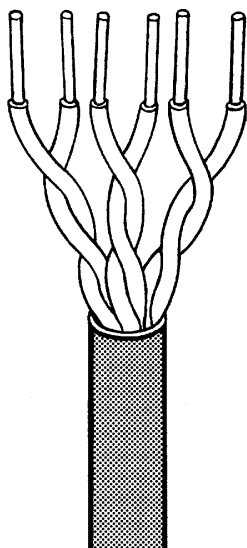
Application: Modified IBM Type 6 flexible patch/jumper cable to support 150 ohm Token Ring applications, 16 Mbps. Terminate to shielded RJ-45 connector when outer insulation layer is removed. RoHS compliant

Construction: Stranded 26 AWG (7/34) tinned copper, insulated with dual layers of insulation. Multipairs cabled with fillers and shielded with overall aluminum/polyester tape and stranded copper drain wire. Black PVC jacket. Pair color code detailed below

Listing/Ratings: Velocity of propagation 78%
 (UL) AWM Style 2552
 CSA /CUS Type CMG
 DC resistance 42.6 Ohms/K ft Max.

Part Number	No. of Pairs	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. Mutual pF/ft	Nom. Imped. ohms	1M' Pkg Weight Lbs.
		inch	mm	inch	mm	inch	mm			
9705	2	.023	.58	.020	.51	.257	6.53	8.5	150	26

Pair	Color
1	Orange x Black
2	Red x Green

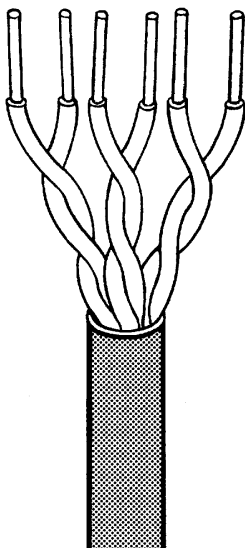


Application: Flexible patch/jumper cable to support Category 3 or 10Base-T, 10 Mbps max. RoHS compliant

Construction: Stranded 26 AWG (7/34) tinned copper, insulated with PVC and paired. Multipairs are cabled and jacketed with chrome gray PVC. Pair color code per Table G

Listing/Ratings: NEC Type CM, Article 800, 300V 60°C

Part Number	No. of Pairs	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. Mutual pF/Ft	Nom. Imped. ohms	1M' Pkg Weight Lbs.
		inch	mm	inch	mm	inch	mm			
9304	2	.007	.18	.019	.48	.133	3.38	19	100	10
9306	3	.007	.18	.019	.48	.155	3.94	19	100	13
9308	4	.007	.18	.019	.48	.177	4.50	19	100	18

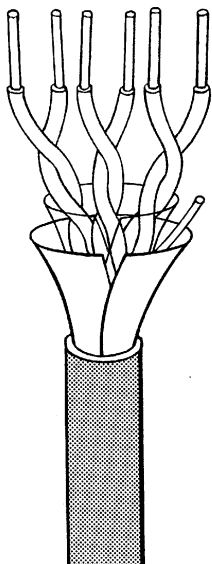


Application: Flexible patch/jumper cable that meets the requirements of TIA/EIA-568-B.2 Category 5. Supports 10Base-T, ATM, and 100Base-T. RoHS compliant

Construction: 24 AWG stranded 7/32 tinned copper, insulated with polyethylene and paired. Multipairs are cabled and jacketed with beige PVC. Pair color code per Table G

Listing/Ratings: CEC Type CMG 60°C*
 NEC Type CM, 75°C, Article 800
 ETL verified for Category 5
 DC resistance 26.0 Ohms/K ft Max.

Part Number	No. of Pairs	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. Mutual pF/ft**	Nom. Imped. ohms	1M' Pkg Weight Lbs.
		inch	mm	inch	mm	inch	mm			
5310	3	.007	.18	.020	.51	.185	4.70	13.5	100	20

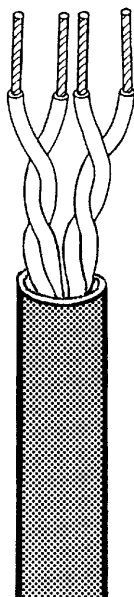


Application: Shielded horizontal cable to support TIA/EIA-568-B.2 Category 5 for existing and emerging applications. These F/UTP (foil shielded) cables will not terminate to a standard RJ-45 modular connector. Tested to 100 MHz. RoHS compliant

Construction: 24 AWG solid bare copper, insulated with polyolefin and paired. Multipairs are cabled with polyester wrap and shielded with overall aluminum/polyester tape and solid 24 AWG tinned copper drain wire. Beige PVC jacket. Pair color code per Table G

Listing/Ratings: CEC C(UL) Type CMR
 NEC Type CMR, 75°C, Article 800
 Bend radius approx. 2 inches
 DC resistance 27.1 Ohms/K ft Max.
 Attenuation @ 1 MHz 6.3 dB/K ft

Part Numbers	No. of Pairs	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. Mutual pF/ft	Nom. Imped. ohms	1 M' Pkg Weight Lbs
		Inches	mm	Inches	mm	Inches	mm			
9464	2	.012	.30	.021	.53	.175	4.45	15.0	100	18
9466	3	.012	.30	.021	.53	.202	5.13	15.0	100	23
9468	4	.012	.30	.021	.53	.238	6.04	15.0	100	31



Application: Flexible patch/jumper cable that meets the requirements of TIA/EIA-568-B.2 Category 5e. Supports XDSL, 10Base-T, ATM, and 100Base-T applications. Tested to 100 MHz. RoHS compliant

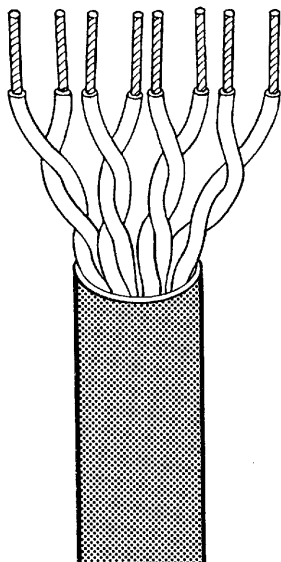
Construction: 24 AWG stranded (7/32) tinned copper, insulated with polyethylene and paired. Two pairs are cabled and jacketed with PVC. Jacket colors are listed below. Pair color code per Table G

Listing/Ratings: CEC Type CMG 60°C*
 NEC Type CM, 75°C, Article 800
 ETL verified for Category 5e
 DC resistance 26.0 Ohms/K ft Max.

Part Number	Jacket Color	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. Mutual pF/ft**	Nom. Imped. ohms	1M' Pkg Weight Lbs.
		inch	mm	inch	mm	inch	mm			
5200	Black	.007	.18	.020	.51	.178	4.52	13.5	100	17
5202	Red	.007	.18	.020	.51	.178	4.52	13.5	100	17
5203	Orange	.007	.18	.020	.51	.178	4.52	13.5	100	17
5204	Yellow	.007	.18	.020	.51	.178	4.52	13.5	100	17
5205	Green	.007	.18	.020	.51	.178	4.52	13.5	100	17
5206	Blue	.007	.18	.020	.51	.178	4.52	13.5	100	17
5207	Violet	.007	.18	.020	.51	.178	4.52	13.5	100	17
5208	Gray	.007	.18	.020	.51	.178	4.52	13.5	100	17
5209	White	.007	.18	.020	.51	.178	4.52	13.5	100	17
5210	Beige	.007	.18	.020	.51	.178	4.52	13.5	100	17
5212	Pink	.007	.18	.020	.51	.178	4.52	13.5	100	17

*Quabbin may substitute C(UL) in the future.

**Nominal capacitance tested at 1MHz.



Application: Flexible patch/jumper cable that meets the requirements of TIA/EIA-568-B.2 Category 5e. Supports 10Base-T, ATM, 100Base-T, 1000Base-T and emerging applications with advanced encoding schemes designed for Category 5e cabling. Tested to 100 MHz. RoHS compliant

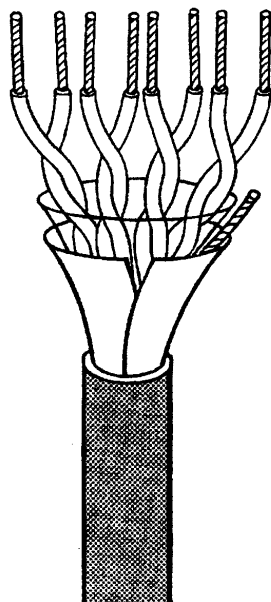
Construction: 24 AWG stranded (7/32) tinned copper, insulated with polyethylene and paired. Four pairs are cabled and jacketed with PVC. Jacket colors are listed below. Pair color code per Table G

Listing/Ratings: CEC Type CMG 60°C*
 NEC Type CM, 75°C, Article 800
 ETL verified for Category 5e
 DC resistance 26.0 Ohms/K ft Max.

Part Number	Jacket Color	Insulation Thickness		Jacket Thickness		Maximum Diameter		Nom. Cap. Mutual pF/ft**	Nom. Imped. ohms	1M' Pkg Weight Lbs.
		inch	mm	inch	mm	inch	mm			
5400	Black	.007	.18	.020	.51	.220	5.59	13.5	100	26
5402	Red	.007	.18	.020	.51	.220	5.59	13.5	100	26
5403	Orange	.007	.18	.020	.51	.220	5.59	13.5	100	26
5404	Yellow	.007	.18	.020	.51	.220	5.59	13.5	100	26
5405	Green	.007	.18	.020	.51	.220	5.59	13.5	100	26
5406	Blue	.007	.18	.020	.51	.220	5.59	13.5	100	26
5407	Violet	.007	.18	.020	.51	.220	5.59	13.5	100	26
5408	Gray	.007	.18	.020	.51	.220	5.59	13.5	100	26
5409	White	.007	.18	.020	.51	.220	5.59	13.5	100	26
5410	Beige	.007	.18	.020	.51	.220	5.59	13.5	100	26
5412	Pink	.007	.18	.020	.51	.220	5.59	13.5	100	26

*Quabbin may substitute C(UL) in the future.

**Nominal capacitance tested at 1MHz.



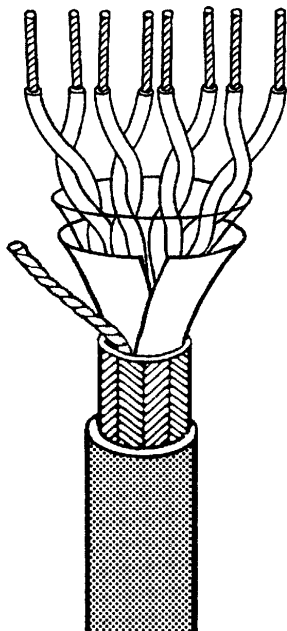
Application: Flexible patch/jumper cable to support shielded (F/UTP) Category 5 or 5e networks per TIA/EIA-568-B.2. Also supports ISO 11801 and EN 50173 Class D screened applications. Cables terminate to shielded RJ-45 connectors (See Note). Tested to 100 MHz. RoHS compliant

Construction: 26 AWG stranded (7/34) tinned copper, insulated with polyolefin and paired. Pairs cabled and shielded with overall aluminum/polyester tape and stranded 26 AWG tinned copper drain wire. P/N 9604 drain wire is between shield-tape and jacket, not as shown. Jacketed with PVC in colors as listed below. Pair color code per Table G

Listing/Ratings: Nom. impedance: 100 ohms
 Nom. Mutual capacitance at 1 MHz: 13.5 pF/ft
 NEC Type CM
 CEC (except 9604) Type CM 60°C
 DC Resistance 42.6 Ohms/K ft Max.
 ETL verified Cat 5e (except 9604 is Cat 5 rated)
 9604 has UL AWM Style 2552 listing

Part Number	Number of Pairs	Jacket Color	Insulation Thickness		Jacket Thickness		Nominal Diameter		1M' Pkg Weight Lbs.
			inch	mm	inch	mm	inch	mm	
9604	2	Beige	.010	.25	.022	.56	.160	4.06	13
2900	4	Black	.010	.25	.022	.56	.210	5.33	22
2901	4	Brown	.010	.25	.022	.56	.210	5.33	22
2902	4	Red	.010	.25	.022	.56	.210	5.33	22
2903	4	Orange	.010	.25	.022	.56	.210	5.33	22
2904	4	Yellow	.010	.25	.022	.56	.210	5.33	22
2905	4	Green	.010	.25	.022	.56	.210	5.33	22
2906	4	Blue	.010	.25	.022	.56	.210	5.33	22
2907	4	Violet	.010	.25	.022	.56	.210	5.33	22
2908	4	Gray	.010	.25	.022	.56	.210	5.33	22
2909	4	White	.010	.25	.022	.56	.210	5.33	22
2910	4	Beige	.010	.25	.022	.56	.210	5.33	22

Note: Diameter over insulated conductors 0.039 inch, 1.00 mm


Application:

Flexible patch/jumper cable to support shielded SF/UTP (braid over foil) Category 5 or 5e networks per TIA/EIA-568-B.2. Also supports ISO 11801 and EN 50173 Class D screened applications. Cables terminate to shielded RJ-45 connectors. Tested to 100 MHz. RoHS compliant

Construction:

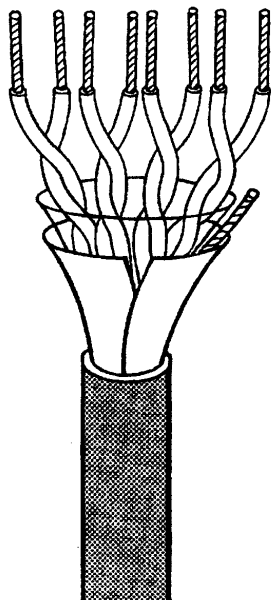
26 AWG stranded (7/34) tinned copper, insulated with polyolefin and paired. Pairs cabled with clear polyester tape binder. Shielded with aluminum/polyester tape and stranded 26 AWG tinned copper drain wire and 38 AWG tinned copper braid (85% minimum). Jacketed with PVC in colors as listed below. Pair color code per Table G

Listing/Ratings:

Nom. impedance: 100 ohms
 Nom. Mutual capacitance at 1 MHz: 13.5 pF/ft
 NEC (UL) and CEC Type CM
 DC Resistance 42.6 Ohms/K ft Max.
 Category 5e compliant
 Temperature rating 60°C Max.

Part Number	Number of Pairs	Jacket Color *	Insulation Thickness		Jacket Thickness		Nominal Diameter		1M' Pkg Weight Lbs.
			inch	mm	inch	mm	inch	mm	
2510	4	Blue	.0105	.27	.024	.61	.226	5.74	38
2511	4	White	.0105	.27	.024	.61	.226	5.74	38
2512	4	Beige	.0105	.27	.024	.61	.226	5.74	38
2513	4	Light Gray	.0105	.27	.024	.61	.226	5.74	38

*Consult factory for other colors



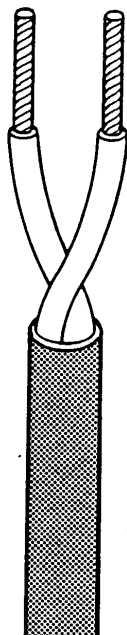
Application: Flexible patch/jumper cable to support shielded (F/UTP) Category 5e networks per TIA/EIA-568-B.2 and ISO 11801 and EN 50173 Class D low smoke zero halogen applications. Cables terminate to shielded RJ-45 connectors (See Note). Tested to 100 MHz. RoHS compliant

Construction: 26 AWG stranded (7/34) tinned copper, insulated with polyolefin and paired. Four pairs cabled and shielded with overall aluminum/polyester tape and stranded 26 AWG tinned copper drain wire. Jacketed with LSZH compound in colors as listed below. Pair color code per Table G

Listing/Ratings: Nom. impedance: 100 ohms
 Nom. Mutual capacitance at 1 MHz: 13.5 pF/ft
 Flame per IEC 332.1
 Corrosive Gas per IEC 754
 Smoke Emission per IEC 1034
 Max. DC Resistance: 42.6 Ohms/K ft

Part Number	Jacket Color	Insulation Thickness		Jacket Thickness		Maximum Diameter		1M' Pkg Weight Lbs.
		inch	mm	inch	mm	inch	mm	
2800	Black	.010	.25	.025	.64	.220	5.59	20
2801	Brown	.010	.25	.025	.64	.220	5.59	20
2802	Red	.010	.25	.025	.64	.220	5.59	20
2803	Orange	.010	.25	.025	.64	.220	5.59	20
2804	Yellow	.010	.25	.025	.64	.220	5.59	20
2805	Green	.010	.25	.025	.64	.220	5.59	20
2806	Blue	.010	.25	.025	.64	.220	5.59	20
2807	Violet	.010	.25	.025	.64	.220	5.59	20
2808	Gray	.010	.25	.025	.64	.220	5.59	20
2809	White	.010	.25	.025	.64	.220	5.59	20
2810	Beige	.010	.25	.025	.64	.220	5.59	20

Note: Diameter over insulated conductors 0.039 inch, 1.00 mm



Application: Flexible patch/jumper cable that meets the requirements of TIA/EIA-568-B.2 Category 5e. Supports Category 5e cross-connect and 110 Ohm digital audio applications. Tested to 350 MHz. RoHS compliant

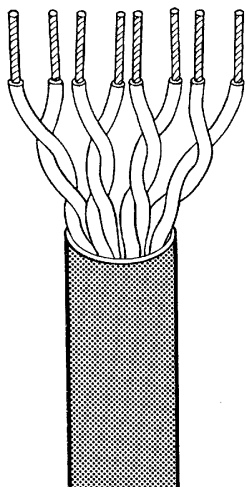
Construction: 24 AWG stranded (7/32) tinned copper, insulated with polyethylene and paired. Jacketed with PVC with jacket colors as listed below. Pair color code per Table G

Listing/Ratings: CEC Type CMG 60°C*
 (UL) NEC Type CM, 75°C, Article 800
 DC Resistance 26.2 Ohms/K ft Max.

Part Number	Jacket Color	Insulation Thickness		Jacket Thickness		Maximum Diameter		Nom. Cap. Mutual pF/ft**	Nom. Imped. ohms	1M' Pkg Weight Lbs.
		inch	mm	inch	mm	inch	mm			
5100	Black	.0075	.19	.020	.51	.120	3.05	15	100	11
5102	Red	.0075	.19	.020	.51	.120	3.05	15	100	11
5103	Orange	.0075	.19	.020	.51	.120	3.05	15	100	11
5104	Yellow	.0075	.19	.020	.51	.120	3.05	15	100	11
5105	Green	.0075	.19	.020	.51	.120	3.05	15	100	11
5106	Blue	.0075	.19	.020	.51	.120	3.05	15	100	11
5107	Violet	.0075	.19	.020	.51	.120	3.05	15	100	11
5108	Gray	.0075	.19	.020	.51	.120	3.05	15	100	11
5109	White	.0075	.19	.020	.51	.120	3.05	15	100	11
5110	Beige	.0075	.19	.020	.51	.120	3.05	15	100	11
5112	Pink	.0075	.19	.020	.51	.120	3.05	15	100	11

*Quabbin may substitute C(UL) in the future.

**Nominal capacitance tested at 1MHz.



Application: Flexible patch/jumper cable that exceeds the requirements of TIA/EIA-568-B.2 enhanced Category 5e. Also meets ISO 11801 impedance stability requirements. Supports ATM, 10Base-T, 100Base-T, 1000Base-T and emerging applications that may operate at extended frequencies. Performance tested to 350 MHz. RoHS compliant

Construction: 24 AWG stranded (7/32) tinned copper, insulated with polyethylene and paired. Four pairs are cabled and jacketed with PVC. Designed to optimize return loss, attenuation and NEXT performance. Jacket colors are listed below. Pair color code per Table G

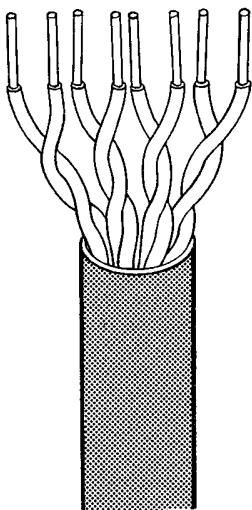
Listing/Ratings: CEC Type CMG 60°C*
 NEC Type CM, 75°C, Article 800
 ETL verified for ISO11801 and TIA Category 5e
 ACR at 155 MHz, 10 dB/100 meters minimum
 DC Resistance 26.0 Ohms/K ft Max.

Part Number	Jacket Color	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. Mutual pF/ft	Nom. Imped. Ohms**	1M' Pkg Weight Lbs.***
		inch	mm	inch	mm	inch	mm			
5500	Black	.007	.18	.020	.51	.213	5.41	13.5	100	26
5501	Brown	.007	.18	.020	.51	.213	5.41	13.5	100	26
5502	Red	.007	.18	.020	.51	.213	5.41	13.5	100	26
5503	Orange	.007	.18	.020	.51	.213	5.41	13.5	100	26
5504	Yellow	.007	.18	.020	.51	.213	5.41	13.5	100	26
5505	Green	.007	.18	.020	.51	.213	5.41	13.5	100	26
5506	Blue	.007	.18	.020	.51	.213	5.41	13.5	100	26
5507	Violet	.007	.18	.020	.51	.213	5.41	13.5	100	26
5508	Gray	.007	.18	.020	.51	.213	5.41	13.5	100	26
5509	White	.007	.18	.020	.51	.213	5.41	13.5	100	26
5510	Beige	.007	.18	.020	.51	.213	5.41	13.5	100	26
5512	Pink	.007	.18	.020	.51	.213	5.41	13.5	100	26
5515	Lime	.007	.18	.020	.51	.213	5.41	13.5	100	26

*Quabbin may substitute C(UL) in the future

**Impedance as measured to 350 MHz. Other parameters tested to 300 MHz.

***This product is available in reel-in-a-box



Application: Horizontal cable that exceeds the requirements of TIA/EIA-568-B.2 enhanced Category 5e. Supports 10Base-T, ATM, 100Base-T, 1000Base-T and emerging applications with advanced encoding schemes designed for Category 5e cabling. Tested to 350 MHz. RoHS compliant.

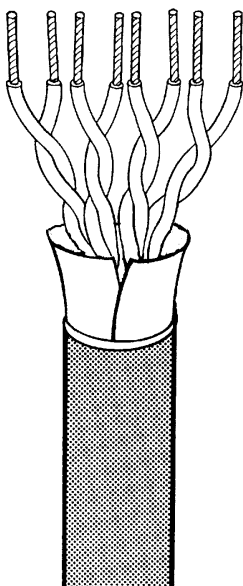
Construction: 24 AWG solid bare copper, insulated with polyolefin and paired. Four pairs cabled and jacketed with PVC. Construction is designed to optimize attenuation and NEXT performance, providing extended frequency ACR. Jacket colors are listed below. Pair color code per Table G

Listing/Ratings: CEC Type CMG, 60°C*
 NEC Type CMR/MPR, 75°C, Article 800
 DC Resistance 27.1 Ohms/K ft Max.
 ETL verified to TIA Category 5e.

Part Number	Jacket Color	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. Mutual pF/ft	Nom. Imped. ohms	1M' Pkg Weight Lbs.**
		inch	mm	inch	mm	inch	mm			
9400	Yellow	.008	.20	.024	.61	.205	5.21	15.0	100	24
9401	Brown	.008	.20	.024	.61	.205	5.21	15.0	100	24
9402	Red	.008	.20	.024	.61	.205	5.21	15.0	100	24
9403	Orange	.008	.20	.024	.61	.205	5.21	15.0	100	24
9405	Green	.008	.20	.024	.61	.205	5.21	15.0	100	24
9407	Violet	.008	.20	.024	.61	.205	5.21	15.0	100	24
9410	Beige	.008	.20	.024	.61	.205	5.21	15.0	100	24
9411	Pink	.008	.20	.024	.61	.205	5.21	15.0	100	24
9413	Lime	.008	.20	.024	.61	.205	5.21	15.0	100	24
9469	Blue	.008	.20	.024	.61	.205	5.21	15.0	100	24
9489	Gray	.008	.20	.024	.61	.205	5.21	15.0	100	24
9499	White	.008	.20	.024	.61	.205	5.21	15.0	100	24

*Quabbin may substitute C(UL) in the future

**Available in reel-in-a-box



Application: Flexible patch/jumper cable that exceeds the requirements of TIA/EIA-568-B.2 enhanced Category 5e. Meets ISO 11801 and EN 50173 impedance stability requirements and is suitable for low smoke zero halogen applications. Cables terminate to RJ-45 connectors*. Performance tested to 350 MHz. RoHS compliant

Construction: 24 AWG stranded (7/32) tinned copper, insulated with polyethylene and paired. Four pairs are cabled with tape separator and jacketed with LSZH compound. Designed to optimize return loss, attenuation and NEXT performance. Jacket colors are listed below. Pair color code per Table G

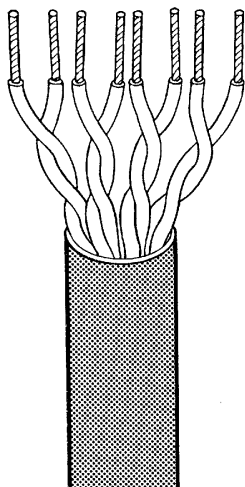
Listing/Ratings: ACR at 155 MHz, 10 dB/100 meters minimum
 DC Resistance 26.0 Ohms Max.
 Corrosive Gas per IEC 754
 Flame per IEC 332.1
 Smoke Emission per IEC 1034

Part Number	Jacket Color	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. Mutual pF/ft	Nom. Imped. Ohms**	1M' Pkg Weight Lbs.***
		inch	mm	inch	mm	inch	mm			
1200	Black	.007	.18	.024	.61	.221	5.61	13.5	100	27
1201	Brown	.007	.18	.024	.61	.221	5.61	13.5	100	27
1202	Red	.007	.18	.024	.61	.221	5.61	13.5	100	27
1203	Orange	.007	.18	.024	.61	.221	5.61	13.5	100	27
1204	Yellow	.007	.18	.024	.61	.221	5.61	13.5	100	27
1205	Green	.007	.18	.024	.61	.221	5.61	13.5	100	27
1206	Blue	.007	.18	.024	.61	.221	5.61	13.5	100	27
1207	Violet	.007	.18	.024	.61	.221	5.61	13.5	100	27
1208	Gray	.007	.18	.024	.61	.221	5.61	13.5	100	27
1209	White	.007	.18	.024	.61	.221	5.61	13.5	100	27
1210	Beige	.007	.18	.024	.61	.221	5.61	13.5	100	27
1212	Pink	.007	.18	.024	.61	.221	5.61	13.5	100	27
1215	Lime	.007	.18	.024	.61	.221	5.61	13.5	100	27

*Diameter over insulated conductor 0.038 inch, 0.97 mm

**Impedance as measured to 350 MHz. Other parameters tested to 300 MHz.

***This product is available in reel-in-a-box packaging


Application:

Flexible patch/jumper cable suitable for future applications and protocols beyond 1000Base-T (Gigabit Ethernet). Also supports ISO 11801 Class E network installations. Exceeds the requirements of TIA/EIA-568-B.2 Category 6 and is backward compatible with Cat 5 and 5e hardware. Optimized for crosstalk, attenuation, RL, and termination (no spline or bonded pairs). Tested to 600 MHz. RoHS compliant

Construction:

24 AWG stranded (7/32) tinned copper, insulated with polyethylene and paired. Four pairs are cabled and jacketed with PVC. Jacket colors are listed below. Pair color code per Table G

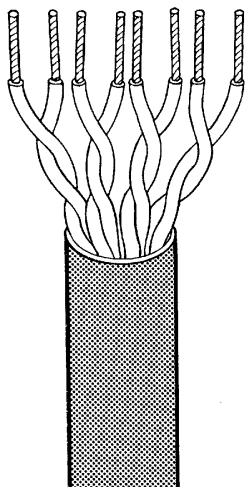
Listing/Ratings:

NEC type CM, 75°C, Article 800
 CEC Type CMG 60°C*
 ETL verified to Category 6 requirements
 100 meter ACR > 0 at frequency > 250MHz
 DC resistance 26.0 Ohms/K ft Max.

Part Numbers	Jacket Color	Diameter Over Insulation		Nom. Jacket Thickness		Nominal Diameter		Nom. Cap. Mutual pf/ft	Nom. Imped. (Ohms)	1 M' Pkg Weight (Lbs)**
		inches	mm	inches	mm	inches	mm			
2200	Black	.039	1.00	.020	.51	.220	5.59	13.5	100	26
2201	Brown	.039	1.00	.020	.51	.220	5.59	13.5	100	26
2202	Red	.039	1.00	.020	.51	.220	5.59	13.5	100	26
2203	Orange	.039	1.00	.020	.51	.220	5.59	13.5	100	26
2204	Yellow	.039	1.00	.020	.51	.220	5.59	13.5	100	26
2205	Green	.039	1.00	.020	.51	.220	5.59	13.5	100	26
2206	Blue	.039	1.00	.020	.51	.220	5.59	13.5	100	26
2207	Violet	.039	1.00	.020	.51	.220	5.59	13.5	100	26
2208	Gray	.039	1.00	.020	.51	.220	5.59	13.5	100	26
2209	White	.039	1.00	.020	.51	.220	5.59	13.5	100	26
2210	Beige	.039	1.00	.020	.51	.220	5.59	13.5	100	26
2212	Pink	.039	1.00	.020	.51	.220	5.59	13.5	100	26

*Quabbin may substitute C(UL) in the future

**This product is available in reel-in-a-box packaging


Application:

Flexible patch/jumper cable suitable for future applications and protocols beyond 1000Base-T (Gigabit Ethernet). Also supports ISO 11801 Class E network installations. Exceeds the requirements of TIA/EIA-568-B.2 Category 6 and is backward compatible with Cat 5 and 5e hardware. Optimized for crosstalk, attenuation, RL, and termination (no spline or bonded pairs). Tested to 600 MHz. RoHS compliant. Specifically designed for use with slimline RJ45 plugs and high density patch panels.

Construction:

24 AWG stranded (7/32) tinned copper, insulated with polyethylene and paired. Four pairs are cabled and jacketed with PVC. Jacket colors are listed below. Pair color code per Table G

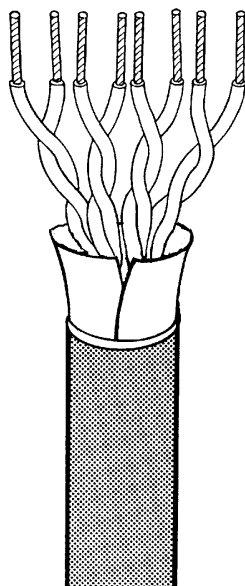
Listing/Ratings:

NEC type CM, 75°C, Article 800
 CEC Type CMG 60°C*
 100 meter ACR > 0 at frequency > 250MHz
 DC resistance 26.0 Ohms/K ft Max.

Part Numbers	Jacket Color	Diameter Over Insulation		Nom. Jacket Thickness		Nominal Diameter		Nom. Cap. Mutual pf/ft	Nom. Imped. (Ohms)	1 M' Pkg Weight (Lbs)**
		inches	mm	inches	mm	inches	mm			
2200B	Black	.039	1.00	.020	.51	.220	5.59	13.5	100	26
2201B	Brown	.039	1.00	.020	.51	.220	5.59	13.5	100	26
2202B	Red	.039	1.00	.020	.51	.220	5.59	13.5	100	26
2203B	Orange	.039	1.00	.020	.51	.220	5.59	13.5	100	26
2204B	Yellow	.039	1.00	.020	.51	.220	5.59	13.5	100	26
2205B	Green	.039	1.00	.020	.51	.220	5.59	13.5	100	26
2206B	Blue	.039	1.00	.020	.51	.220	5.59	13.5	100	26
2207B	Violet	.039	1.00	.020	.51	.220	5.59	13.5	100	26
2208B	Gray	.039	1.00	.020	.51	.220	5.59	13.5	100	26
2209B	White	.039	1.00	.020	.51	.220	5.59	13.5	100	26
2210B	Beige	.039	1.00	.020	.51	.220	5.59	13.5	100	26
2212B	Pink	.039	1.00	.020	.51	.220	5.59	13.5	100	26

*Quabbin may substitute C(UL) in the future

**This product is available in reel-in-a-box packaging



Application:

Flexible patch/jumper cable that exceeds the requirements of TIA/EIA-568-B.2 Category 6. Meets ISO 11801 and EN 50173 impedance stability requirements and is suitable for low smoke zero halogen applications. Backward compatible with Cat 5 and 5e hardware. Optimized for crosstalk, RL, attenuation and termination to RJ-45 connectors. (no spline or bonded pairs) Performance tested to 600 MHz. RoHS compliant

Construction:

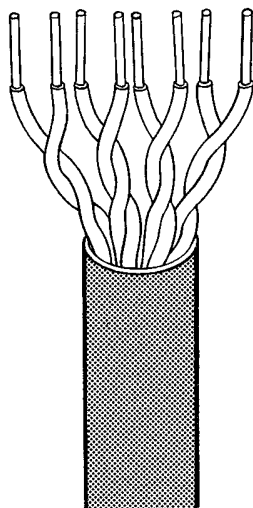
24 AWG stranded (7/32) tinned copper, insulated with polyethylene and paired. Four pairs cabled with tape separator and jacketed with LSZH compound. Jacket colors listed below. Pair color code per Table G

Listing/Ratings:

DC Resistance 26.0 Ohms/K ft Max.
Corrosive Gas per IEC 754
Flame per IEC 332.1
Smoke Emission per IEC 1034
Temperature rating 75°C Max.

Part Numbers	Jacket Color	Diameter Over Insulation		Nom. Jacket Thickness		Nominal Diameter		Nom. Cap. Mutual pf/ft	Nom. Imped. (Ohms)	1 M' Pkg Weight (Lbs)**
		inches	mm	inches	mm	inches	mm			
1300	Black	.039	1.00	.024	.61	.228	5.79	13.5	100	27
1301	Brown	.039	1.00	.024	.61	.228	5.79	13.5	100	27
1302	Red	.039	1.00	.024	.61	.228	5.79	13.5	100	27
1303	Orange	.039	1.00	.024	.61	.228	5.79	13.5	100	27
1304	Yellow	.039	1.00	.024	.61	.228	5.79	13.5	100	27
1305	Green	.039	1.00	.024	.61	.228	5.79	13.5	100	27
1306	Blue	.039	1.00	.024	.61	.228	5.79	13.5	100	27
1307	Violet	.039	1.00	.024	.61	.228	5.79	13.5	100	27
1308	Gray	.039	1.00	.024	.61	.228	5.79	13.5	100	27
1309	White	.039	1.00	.024	.61	.228	5.79	13.5	100	27
1310	Beige	.039	1.00	.024	.61	.228	5.79	13.5	100	27
1312	Pink	.039	1.00	.024	.61	.228	5.79	13.5	100	27

**This product is available in reel-in-a-box packaging


Application:

Horizontal cable that exceeds the requirements of TIA/EIA 568-B.2-1, Category 6. Reduced diameter design without bonded pairs, spline, or other pair-separator provides improved flexibility, installation ease and less tray/pathway fill. Also used for non-flexing cord applications. Supports 10Base-T, 100Base-T, 1000Base-T, ATM and future applications beyond Gigabit Ethernet. Contact Quabbin for RoHS information

Construction:

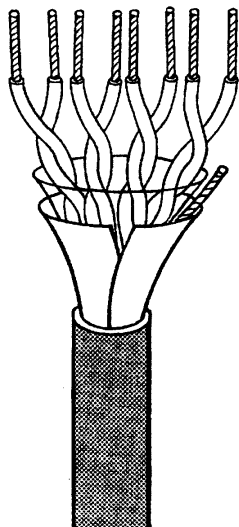
24 AWG solid bare copper, insulated with polyolefin and paired. Four pairs cabled and jacketed with PVC. Construction optimizes attenuation, RL and NEXT performance, providing extended frequency ACR. Jacket colors are listed below. Pair color code per Table G

Listing/Ratings:

CEC C(UL) Type CMR
 NEC Type CMR, 75°C, Article 800
 Category 6 compliant
 DC resistance 26.2 Ohms/K ft Max.

Part Number	Jacket Color	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. Mutual pF/ft	Nom. Imped. Ohms	1M' Pkg Weight Lbs.
		inch	mm	inch	mm	inch	mm			
2000	Black	.008	.20	.028	.71	.225	5.72	13.5	100	26
2001	Brown	.008	.20	.028	.71	.225	5.72	13.5	100	26
2002	Red	.008	.20	.028	.71	.225	5.72	13.5	100	26
2003	Orange	.008	.20	.028	.71	.225	5.72	13.5	100	26
2004	Yellow	.008	.20	.028	.71	.225	5.72	13.5	100	26
2005	Green	.008	.20	.028	.71	.225	5.72	13.5	100	26
2006	Blue	.008	.20	.028	.71	.225	5.72	13.5	100	26
2007	Violet	.008	.20	.028	.71	.225	5.72	13.5	100	26
2008	Gray	.008	.20	.028	.71	.225	5.72	13.5	100	26
2009	White	.008	.20	.028	.71	.225	5.72	13.5	100	26
2010	Beige	.008	.20	.028	.71	.225	5.72	13.5	100	26
2012	Pink	.008	.20	.028	.71	.225	5.72	13.5	100	26
2015	Lime	.008	.20	.028	.71	.225	5.72	13.5	100	26

Note: This product is available in reel-in-a-box packaging



Application: Shielded F/UTP (foil tape) flexible patch/jumper cable. Supports shielded TIA Category 6 networks and ISO 11801, EN 50173 Class E screened applications. Terminates to high-performance shielded modular plugs (see note below). Tested to 250 MHz. RoHS compliant

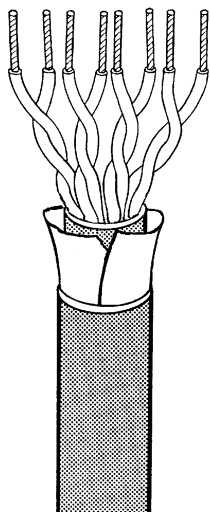
Construction: 26 AWG stranded (7/34) tinned copper, insulated with polyolefin and paired. Four pairs are cabled with a spline separator (not shown in drawing), a clear polyester tape, and an overall aluminum/polyester shielding tape with stranded 26 AWG tinned copper drain wire (foil and drain in). Jacketed with PVC. Jacket colors are listed below. Pair color code per Table G

Listing/Ratings: NEC Type CM, 75°C, Article 800
 CEC Type CMG
 Meets TIA Cat 6 patch cable requirements
 ETL verification pending
 DC resistance: 42.6 Ohms/K ft Max.
 (14 Ohms/100 meters)

Part Number	Jacket Color*	Insulation Thickness		Jacket Thickness		Nominal Diameter		1M' Pkg Weight Lbs.
		inch	mm	inch	mm	inch	mm	
2930	Black	.009	.23	.024	.60	.235	5.97	28.0
2931	Brown	.009	.23	.024	.60	.235	5.97	28.0
2932	Red	.009	.23	.024	.60	.235	5.97	28.0
2933	Orange	.009	.23	.024	.60	.235	5.97	28.0
2934	Yellow	.009	.23	.024	.60	.235	5.97	28.0
2935	Green	.009	.23	.024	.60	.235	5.97	28.0
2936	Blue	.009	.23	.024	.60	.235	5.97	28.0
2937	Violet	.009	.23	.024	.60	.235	5.97	28.0
2938	Gray	.009	.23	.024	.60	.235	5.97	28.0
2939	White	.009	.23	.024	.60	.235	5.97	28.0
2940	Beige	.009	.23	.024	.60	.235	5.97	28.0
2941	Pink	.009	.23	.024	.60	.235	5.97	28.0

*Consult factory for additional jacket colors

Note: Diameter over insulated conductors 0.037 inch, 0.94 mm


Application:

Flexible patch/jumper cable designed for networks transmitting 10GBase-T (10 Gigabit Ethernet). Exceeds augmented Cat 6a patch cable requirements enabling 100 meter channels and is backward compatible with Cat 6 and 5e hardware. Minimizes Alien Crosstalk (AXT) noise and terminates to high-performance UTP modular plugs. Tested to 500 MHz. RoHS compliant

Construction:

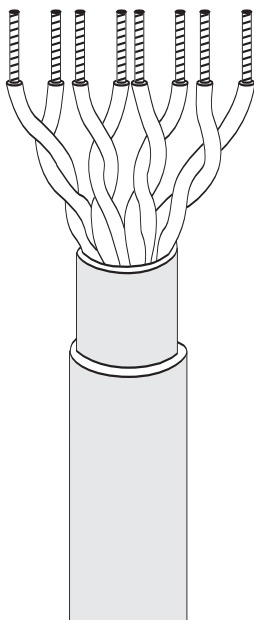
24 AWG stranded (7/32) tinned copper, insulated with polyethylene and paired. Four pairs are cabled and double jacketed. An AXT suppression layer is provided between the dual PVC jackets. Jacket colors are listed below. Pair color code per Table G

Listing/Ratings:

NEC Type CM, 75°C, Article 800
 CEC C(UL) Type CM
 PSAXT (6 cables around 1) margin > 10 dB
 Meets TIA Cat 6a patch cable requirements
 DC resistance 26.0 Ohms/K ft Max.

Part Numbers	Outer Jacket Color	Diameter Over Insulation		Inner Jacket Diameter		Outer Jacket Diameter		Nom. Cap. Mutual pf/ft	Nom. Imped. (Ohms)	1 M' Pkg Weight (Lbs)
		inches	mm	inches	mm	inches	mm			
1600	Black	.041	1.04	.250	6.35	.300	7.62	13.5	100	45
1601	Brown	.041	1.04	.250	6.35	.300	7.62	13.5	100	45
1602	Red	.041	1.04	.250	6.35	.300	7.62	13.5	100	45
1603	Orange	.041	1.04	.250	6.35	.300	7.62	13.5	100	45
1604	Yellow	.041	1.04	.250	6.35	.300	7.62	13.5	100	45
1605	Green	.041	1.04	.250	6.35	.300	7.62	13.5	100	45
1606	Blue	.041	1.04	.250	6.35	.300	7.62	13.5	100	45
1607	Violet	.041	1.04	.250	6.35	.300	7.62	13.5	100	45
1608	Gray	.041	1.04	.250	6.35	.300	7.62	13.5	100	45
1609	White	.041	1.04	.250	6.35	.300	7.62	13.5	100	45
1610	Beige	.041	1.04	.250	6.35	.300	7.62	13.5	100	45
1612	Pink	.041	1.04	.250	6.35	.300	7.62	13.5	100	45

Note: This product is available in reel-in-a-box packaging


Application:

Flexible patch/jumper cable designed for networks transmitting 10GBase-T (10 Gigabit Ethernet). Exceeds augmented Cat 6a patch cable requirements enabling 100 meter channels and is backward compatible with Cat 6 and 5e hardware. Minimizes Alien Crosstalk (AXT) noise and terminates to high-performance UTP modular plugs. Tested to 500 MHz. RoHS compliant

Construction:

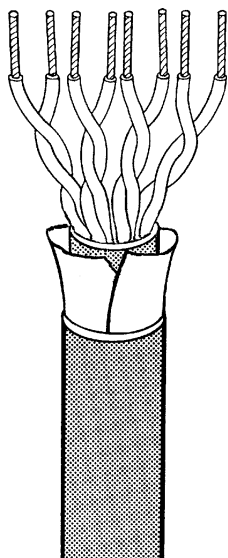
26 AWG stranded (7/34) tinned copper, insulated with polyethylene and paired. Four pairs are cabled and double jacketed with PVC. Jacket colors are listed below. Pair color code per Table G

Listing/Ratings:

NEC Type CM, 75°C, Article 800
 CEC C(UL) Type CM
 Meets TIA Cat 6a patch cable requirements
 DC resistance 26.0 Ohms/K ft Max.

Part Numbers	Outer Jacket Color	Inner Jacket Diameter		Outer Jacket Diameter		Nom. Cap. Mutual pf/ft	Nom. Imped. (Ohms)	1 M' Pkg Weight (Lbs)
		inches	mm	inches	mm			
2954	Black	.215	5.46	.285	7.24	13.5	100	45
2955	Brown	.215	5.46	.285	7.24	13.5	100	45
2956	Red	.215	5.46	.285	7.24	13.5	100	45
2957	Orange	.215	5.46	.285	7.24	13.5	100	45
2958	Yellow	.215	5.46	.285	7.24	13.5	100	45
2959	Green	.215	5.46	.285	7.24	13.5	100	45
2960	Blue	.215	5.46	.285	7.24	13.5	100	45
2961	Violet	.215	5.46	.285	7.24	13.5	100	45
2962	Gray	.215	5.46	.285	7.24	13.5	100	45
2963	White	.215	5.46	.285	7.24	13.5	100	45
2964	Beige	.215	5.46	.285	7.24	13.5	100	45
2965	Pink	.215	5.46	.285	7.24	13.5	100	45

Note: This product is available in reel-in-a-box packaging


Application:

Shielded F/UTP (foil tape) flexible patch/jumper cable designed for shielded networks transmitting 10GBase-T (10 Gigabit Ethernet). Exceeds augmented Cat 6a patch cable requirements enabling 100 meter channels and is backward compatible with Cat 6 and 5e hardware. Minimizes Alien Crosstalk (AXT) noise and terminates to high-performance shielded modular plugs. Tested to 500 MHz. RoHS compliant

Construction:

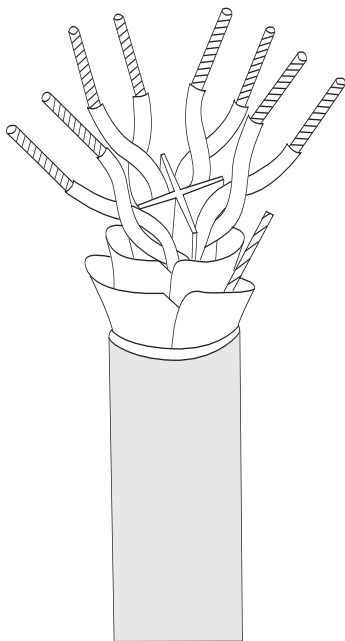
24 AWG stranded (7/32) tinned copper, insulated with polyethylene and paired. Four pairs are cabled and double jacketed. A shielding tape (foil out) is applied between the dual PVC jackets. Jacket colors are listed below. Pair color code per Table G

Listing/Ratings:

NEC Type CM, 75°C, Article 800
 CEC C(UL) Type CM
 PSAXT (6 cables around 1) margin > 10 dB
 Meets TIA Cat 6a patch cable requirements
 DC resistance 26.0 Ohms/K ft Max.

Part Numbers	Outer Jacket Color	Diameter Over Insulation		Inner Jacket Diameter		Outer Jacket Diameter		Nom. Cap. Mutual pf/ft	Nom. Imped. (Ohms)	1 M' Pkg Weight (Lbs)
		inches	mm	inches	mm	inches	mm			
1500	Black	.041	1.04	.250	6.35	.300	7.62	13.5	100	45
1501	Brown	.041	1.04	.250	6.35	.300	7.62	13.5	100	45
1502	Red	.041	1.04	.250	6.35	.300	7.62	13.5	100	45
1503	Orange	.041	1.04	.250	6.35	.300	7.62	13.5	100	45
1504	Yellow	.041	1.04	.250	6.35	.300	7.62	13.5	100	45
1505	Green	.041	1.04	.250	6.35	.300	7.62	13.5	100	45
1506	Blue	.041	1.04	.250	6.35	.300	7.62	13.5	100	45
1507	Violet	.041	1.04	.250	6.35	.300	7.62	13.5	100	45
1508	Gray	.041	1.04	.250	6.35	.300	7.62	13.5	100	45
1509	White	.041	1.04	.250	6.35	.300	7.62	13.5	100	45
1510	Beige	.041	1.04	.250	6.35	.300	7.62	13.5	100	45
1512	Pink	.041	1.04	.250	6.35	.300	7.62	13.5	100	45

Note: This product is available in reel-in-a-box packaging


Application:

Shielded F/UTP (foil tape) flexible patch/jumper cable designed for shielded networks transmitting 10GBase-T (10 Gigabit Ethernet). Exceeds augmented Cat 6a patch cable requirements enabling 100 meter channels and is backward compatible with Cat 6 and 5e hardware. Minimizes Alien Crosstalk (AXT) noise and terminates to high-performance shielded modular plugs. Tested to 500 MHz. RoHS compliant

Construction:

26 AWG stranded (7/34) tinned copper, insulated with polyolefin and paired. Four pairs are cabled with soft spline, wrapped with aluminized polyester foil shield and drain wire, and jacketed with PVC. Jacket colors are listed below. Pair color code per Table G

Listing/Ratings:

NEC Type CM, 75°C, Article 800
 CEC C(UL) Type CM
 PSAXT (6 cables around 1) margin > 10 dB
 Meets TIA Cat 6a patch cable requirements
 DC resistance 26.0 Ohms/K ft Max.

Part Number	Jacket Color	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. Mutual pF/ft	Nom. Imped. Ohms	1M' Pkg Weight Lbs.
		inch	mm	inch	mm	inch	mm			
2942	Black	.009	.23	.024	.60	.235	5.97	13.5	100	26
2943	Brown	.009	.23	.024	.60	.235	5.97	13.5	100	26
2944	Red	.009	.23	.024	.60	.235	5.97	13.5	100	26
2945	Orange	.009	.23	.024	.60	.235	5.97	13.5	100	26
2946	Yellow	.009	.23	.024	.60	.235	5.97	13.5	100	26
2947	Green	.009	.23	.024	.60	.235	5.97	13.5	100	26
2948	Blue	.009	.23	.024	.60	.235	5.97	13.5	100	26
2949	Violet	.009	.23	.024	.60	.235	5.97	13.5	100	26
2950	Gray	.009	.23	.024	.60	.235	5.97	13.5	100	26
2951	White	.009	.23	.024	.60	.235	5.97	13.5	100	26
2952	Beige	.009	.23	.024	.60	.235	5.97	13.5	100	26
2953	Pink	.009	.23	.024	.60	.235	5.97	13.5	100	26

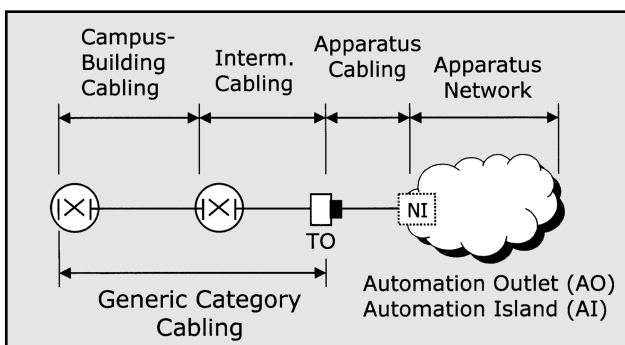
Note: This product is available in reel-in-a-box packaging

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Industrial Ethernet Topology

Most proprietary industrial control systems signal at Kbit rates, thus 10Base-T and 100Base-T Ethernet offer a huge increase in signaling speeds. Ethernet systems used in offices are well accepted, non-proprietary, high-speed, reliable, and easily migrate to even higher speeds. These same benefits are driving Ethernet controls into industrial environments, additionally providing factory-floor data to the enterprise in real time. However, most commercial or office Ethernet hardware cannot survive the rigors of the factory floor. They must be redesigned. Although the signaling protocol is similar, both the cabling media and active gear must be protected from harsh conditions.



The graphic above is a simplified topology diagram that illustrates where Industrial Ethernet (IE) begins and how it interconnects with the existing office infrastructure. The **campus or building** network contains generic connectivity that may include Category 5e and 6 systems with fiber-optic, copper, backbone, horizontal, wiring closets, patch panels and patch cord components. This **generic category cabling** extends to the last **Telecommunications Outlet (TO)**. At that point the office environment ends and the IE environment begins.

Generic cabling in an office is not stressed by the ambient conditions or environment. However, the **apparatus cabling** and everything beyond the **network interface (NI)** point will be exposed to hazards. Exactly what the hazards are depends on the industrial system being controlled. An automotive robotics welding assembly line, a petrochemical refinery, a food processing facility, or a sports stadium present very different hazards; all of which can destroy commercial grade cabling.

Industrial Control Requirements

Unlike commercial environments, industrial process plants are often reconfigured and there is generally no requirement for a 20-year warranty. Instead, emphasis is placed on **elimination of down-time and system reliability**. When a control system shuts down, an entire plant stops, leading to potential losses of thousands of dollars per minute.

Specifications called "MICE" tables have been written that define **Mechanical**, **Ingress**, **Chemical/Climatic**, and **Electromagnetic** conditions for three different environments.

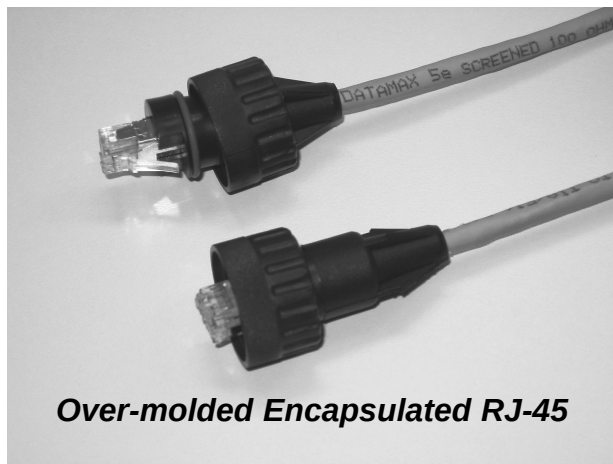
A few of the characteristics defined include:

- Dust and particles
- Water and humidity
- Temperature
- Sunlight and UV
- EMI
- Oils and chemicals
- Vibration and acceleration
- Flexing
- Tear and cut-through

To survive these conditions, small hardened switches or routers with few ports may be bolted to a column close to the control points, patch cords tend to be short, and the wiring closet becomes very small or disappears. Network service, connector termination, and system reconfigurations must be done on the plant floor by electricians, not trained network technicians. Also, since it may be years before IE migrates to 1000Base-T or higher speeds, reliable Category 5e infrastructure is all that is usually needed. Furthermore, since 10Base-T or 100Base-T only use 2-pair of a customary 4-pair cable; **why not use 2-pair connectivity?** This minimizes potential failure points and allows a more reliable connector design.

Cables and Connectors

Apparatus cabling and cord sets must also be hardened and protected. Assemblies use encapsulated RJ-45 or cylindrical M12 connectors. The 4-pin M12, used for years with industrial control systems, has recently been adapted for Ethernet transmission. Now 8-pin versions will allow both 2-pair and 4-pair UTP cables to be used.



These connector designs use O-rings, over-molding, and/or sealing gaskets to bond to the cable jackets. These techniques provide a mated connection that resists fluids, dust, vibration, and other hazards, yet often may be field assembled. The ideal designs are IP67 rated, as defined in IEC 60529, assuring resistance to both fluid and dust particle penetration.

Mechanical Performance

Polyurethane is the most rugged DataMax Extreme jacket, providing cords with an outstanding balance of properties. They combine superior patch cord electrical performance with polyurethane's outstanding mechanical characteristics.

The polyurethane jacket is **pressure extruded** over the cable core, binding it in place and providing stability during harsh usage such as flexing, vibration, crushing, and impact. The jacket also provides excellent cut-through, tear, and abrasion performance; combined with resistance to weathering, moisture, oils, and many industrial fluids. Comparisons to standard commercial PVC jacketed patch cable are listed below:

- Jacket stabilizes electrical performance
- Low temperature flexibility much better
- Good resistance to humidity and moisture
- Better UV and weathering resistance
- Better flexibility and flex life
- Tensile ~ 4000 psi (~ 2500 psi for PVC)
 - 1-week air oven @ 121 C ~ 3200 psi
 - 1-week air oven @ 140 C ~ 2000 psi
- Elongation ~ 550% (~ 275% for PVC)
- Tear ~ 350 lbs/in (~ 100 lbs/in for PVC)
- Far superior abrasion
- Better oil and petrochemical resistance

Electrical Performance

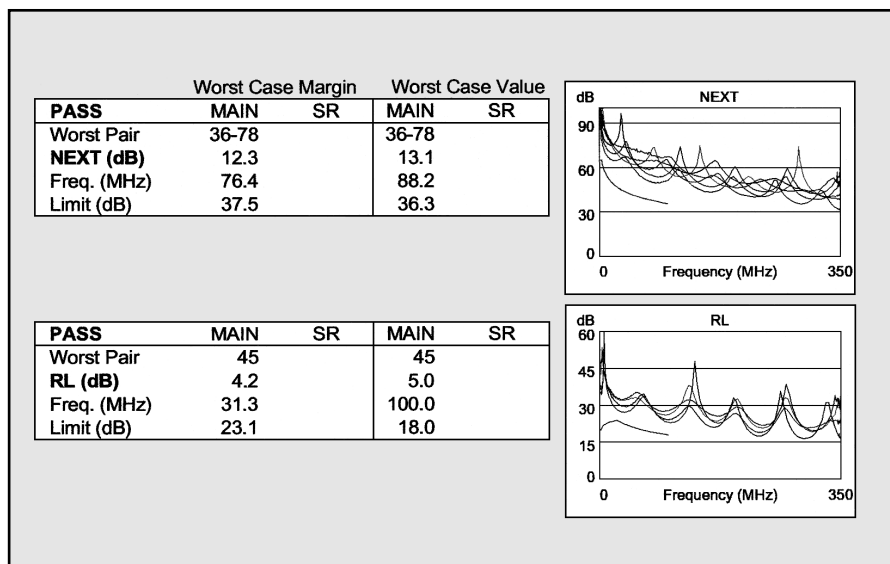
When used as a jacket for unshielded cable, polyurethane does compromise insertion loss, however unshielded cords exceed TIA/EIA-568-B.2 for Cat 5e up to 70 meters plug-to-plug. Shielded polyurethane cords may be used for plug-to-plug channels up to 80-meters.

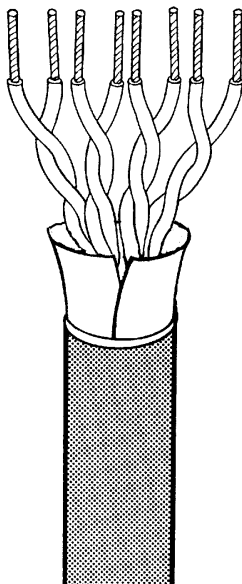
The cords may be terminated with encapsulated modular plugs or M12 connectors. The photo below illustrates a 4-pair polyurethane DataMax Extreme cable terminated with an RJ-45 and molded boot.



The following graphs illustrate typical performance for a 1-meter, 4-pair Polyurethane cord tested using Fluke Networks' DSP 4300 Cable Analyzer.

Note the huge 12.3dB NEXT margin over Cat 5e requirements





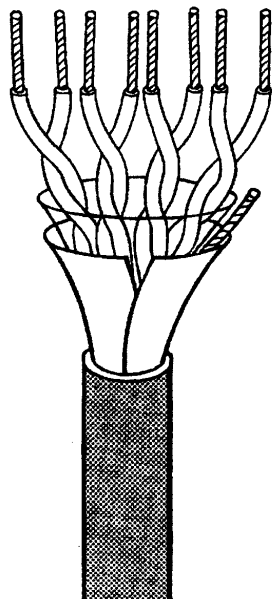
Application: Flexible patch/jumper cable for production of durable flame retardant Category 5e Industrial Ethernet cords. Jacket provides excellent mechanical, flex-life, oil resistance, low-temperature flexibility, and aging characteristics compared to PVC. May be terminated with encapsulated RJ-45 or cylindrical M12 connectors to achieve IP-67 rating. RoHS compliant

Construction: Stranded tinned copper as listed below, insulated with polyethylene and paired. Multipairs are cabled and jacketed with pressured Polyurethane and a tape separator. Jacket may be over-molded. 4-pair color code per Table G. 2-pair: white/green x green, white/orange x orange

Listing/Ratings: Cords exceed TIA/EIA- 568-B.2 Cat 5e NEXT & RL Suitable for 10Base-T or 100Base-T transmission
 Temperature rating: 75 °C Max., -40 °C Min.
 22 AWG plug-to-plug Cat 5e channel: > 70 meters
 Nom. Impedance 1 - 100 MHz: 100 +/- 15 Ohms
 Mutual Capacitance 13.5 pF/ft Nom. @ 1 MHz
 Consult factory and page 16-E for flex-life information

Part Number	No. of Pairs	AWG Stranding	Jacket Color*	Insulation Thickness		Jacket Thickness		Maximum Diameter		1M' Pkg Weight Lbs.
				inch	mm	inch	mm	inch	mm	
5000	2	24 (7/32)	Black	.007	.18	.020	.51	.220	5.59	17
5006	2	24 (7/32)	Blue	.007	.18	.020	.51	.220	5.59	17
5016	2	24 (7/32)	Teal	.007	.18	.020	.51	.220	5.59	17
5700	4	24 (7/32)	Black	.007	.18	.020	.51	.220	5.59	24
5706	4	24 (7/32)	Blue	.007	.18	.020	.51	.220	5.59	24
5716	4	24 (7/32)	Teal	.007	.18	.020	.51	.220	5.59	24
5020	2	22 (7/30)	Black	.009	.23	.024	.61	.245	6.22	34
5021	2	22 (7/30)	Blue	.009	.23	.024	.61	.245	6.22	34
5022	2	22 (7/30)	Teal	.009	.23	.024	.61	.245	6.22	34
5120	4	22 (7/30)	Black	.009	.23	.024	.61	.245	6.22	49
5121	4	22 (7/30)	Blue	.009	.23	.024	.61	.245	6.22	49
5122	4	22 (7/30)	Teal	.009	.23	.024	.61	.245	6.22	49

*Other jacket colors are available.


Application:

Shielded (F/UTP) flexible patch/jumper cable for production of durable, flame retardant Category 5e Industrial Ethernet cords for transmitting 10Base-T or 100Base-T. Jacket provides excellent mechanical, flex-life, oil resistance, low-temperature flexibility, UV, and aging characteristics. May be terminated with shielded encapsulated RJ-45 or cylindrical M12 connectors to achieve IP-67 rating. RoHS compliant

Construction:

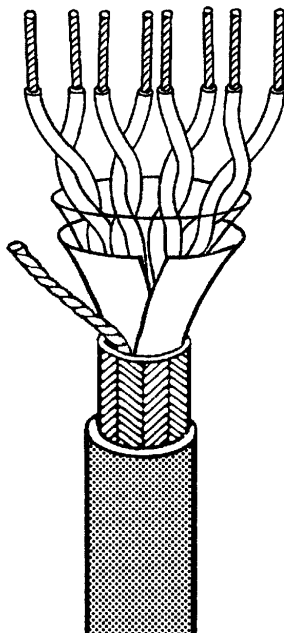
Stranded 26 AWG (7/34) tinned copper insulated with polyolefin and paired. Pairs cabled with overall clear polyester tape, aluminum polyester tape shield, and stranded tinned copper drain wire in. Jacketed with pressured Polyurethane that may be over-molded. 4-pair color code per Table G. 2-pair: white/green x green, white/orange x orange

Listing/Ratings:

Cords meet TIA Cat 5e and ISO class D requirements
 Temperature rating: 75 °C Max., -40 °C Min.
 Maximum plug-to-plug Cat 5e channel 80 meters
 Nom. Impedance 1 - 100 MHz: 100 +/- 15 Ohms
 Mutual Capacitance 13.5 pF/ft Nom. @ 1 MHz
 Consult factory and page 16-E for flex-life information

Part Number	No. of Pairs	AWG Stranding	Jacket Color*	Insulation Thickness		Jacket Thickness		Nominal Diameter		1M' Pkg Weight Lbs.
				inch	mm	inch	mm	inch	mm	
5040	2	26 (7/34)	Black	.010	.25	.028	.71	.229	5.87	23
5041	2	26 (7/34)	Blue	.010	.25	.028	.71	.229	5.87	23
5042	2	26 (7/34)	Teal	.010	.25	.028	.71	.229	5.87	23
5710	4	26 (7/34)	Black	.010	.25	.022	.56	.220	5.59	26
5711	4	26 (7/34)	Blue	.010	.25	.022	.56	.220	5.59	26
5712	4	26 (7/34)	Teal	.010	.25	.022	.56	.220	5.59	26

*Other jacket colors are available


Application:

Shielded (SF/UTP) flexible patch/jumper cable for production of durable flame retardant Category 5e shielded Industrial Ethernet cords for transmitting 10Base-T or 100Base-T. Jacket provides excellent mechanical, flex-life, oil resistance, low-temperature flexibility, UV, and aging characteristics. May be terminated with shielded encapsulated RJ-45 or cylindrical M12 connectors to achieve IP-67 rating. RoHS compliant

Construction:

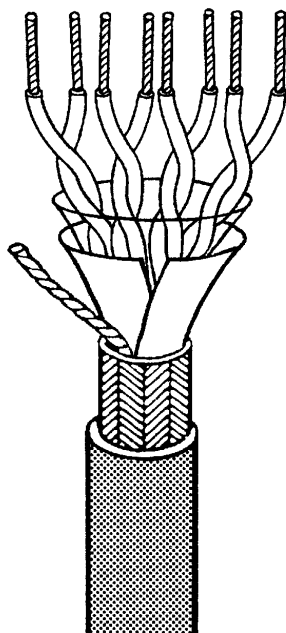
Stranded 26 AWG (7/34) tinned copper insulated with polyolefin and paired. Pairs cabled with overall clear polyester tape, aluminum polyester tape with stranded tinned copper drain wire out, and 38 AWG tinned copper braid. Jacketed with pressured Polyurethane that may be over-molded. 4-pair color code per Table G. 2-pair: white/green x green, white/orange x orange

Listing/Ratings:

Cords meet TIA Cat 5e and ISO class D requirements
 Temperature rating: 75 °C Max., -40 °C Min.
 Maximum plug-to-plug Cat 5e channel 80 meters
 Nom. Impedance 1 - 100 MHz: 100 +/- 15 Ohms
 Mutual Capacitance 13.5 pF/ft Nom. @ 1 MHz
 Consult factory and page 16-E for flex-life information

Part Number	No. of Pairs	AWG Stranding	Jacket Color*	Insulation Thickness		Jacket Thickness		Nominal Diameter		1M' Pkg Weight Lbs.
				inch	mm	inch	mm	inch	mm	
5055	2	26 (7/34)	Black	.010	.25	.022	.56	.236	5.99	31
5056	2	26 (7/34)	Blue	.010	.25	.022	.56	.236	5.99	31
5057	2	26 (7/34)	Teal	.010	.25	.022	.56	.236	5.99	31
5730	4	26 (7/34)	Black	.010	.25	.022	.56	.220	5.59	35
5731	4	26 (7/34)	Blue	.010	.25	.022	.56	.220	5.59	35
5732	4	26 (7/34)	Teal	.010	.25	.022	.56	.220	5.59	35

*Other jacket colors are available


Application:

Non-halogenated shielded (SF/UTP) flexible patch/jumper cable for production of durable flame retardant Category 5e shielded Industrial Ethernet cords for transmitting 10Base-T or 100Base-T. Jacket provides excellent mechanical, flex-life, oil resistance, low-temperature flexibility, UV, and aging characteristics. May be terminated with shielded encapsulated RJ-45 or cylindrical M12 connectors to achieve IP-67 rating. Specifically designed for continuous flex. RoHS compliant

Construction:

Stranded 26 AWG (7/34) tinned copper insulated with polyolefin and paired. Pairs cabled with overall clear polyester tape, aluminum polyester tape with stranded tinned copper drain wire out, and 38 AWG tinned copper braid. Jacketed with pressured Polyurethane that may be over-molded. 4-pair color code per Table G.

Listing/Ratings:

Cords meet TIA Cat 5e and ISO class D requirements
 NEC CMX Listed
 Temperature rating: 75 °C Max., -40 °C Min.
 Maximum plug-to-plug Cat 5e channel 80 meters
 Nom. Impedance 1 - 100 MHz: 100 +/- 15 Ohms
 Mutual Capacitance 13.5 pF/ft Nom. @ 1 MHz
 Consult factory and page 16-E for flex-life information
 (meets 1 million cycles @ 4" radius bend and
 10 million cycles @ 8" radius bend in rolling
 bend test)

Part Number	No. of Pairs	AWG Stranding	Jacket Color*	Insulation Thickness		Jacket Thickness		Nominal Diameter		1M' Pkg Weight Lbs.
				inch	mm	inch	mm	inch	mm	
5075	4	26 (7/34)	Black	.009	.23	.035	.89	.245	6.22	36
5076	4	26 (7/34)	Blue	.009	.23	.035	.89	.245	6.22	36
5077	4	26 (7/34)	Teal	.009	.23	.035	.89	.245	6.22	36
5078	4	26 (7/34)	Red	.009	.23	.035	.89	.245	6.22	36

*Other jacket colors are available

FR-TPE Electrical Features

FR-TPE (Flame Retardant Thermoplastic Elastomer) cables are ideally suited for many hazardous Industrial Ethernet applications. These Industrial Ethernet cables provide the industry's best combination of electrical performance, flex-life, chemical resistance, weld spatter resistance, and easy over-molding. One of the many applications that FR-TPE jacketed cords are suited for is control of robotic arms for automated assembly welding.

Applying FR-TPE as a pressured jacket on Quabbin's DataMax Extreme cable enables the cable to meet the TIA/EIA-568-B.2 requirements for Category 5e bulk cable. Industrial Ethernet apparatus cords properly assembled using this cable comply with Category 5e patch cord requirements using either 24 AWG and 22 AWG constructions. The 22 AWG cords may be used for 100 meter plug to plug channels. The 2-pair designs are suitable for 100Base-T Ethernet transmission and the 4-pair can handle 1000Base-T.

Connector Compatibility

DataMax Extreme FR-TPE jacketed Industrial Ethernet cables are easily terminated to either encapsulated RJ-45 or cylindrical M12 connectors. The design uses

a single jacket and dimensions that are compatible with standard connectivity. These features, combined with a smooth round jacket, allow pressured over-molding and positive seals to O-rings or gaskets normally used in IP67 rated connections. The best assembly designs are IP67 rated, which assure resistance to both fluid and dust particle penetration as defined in IEC 60529. The combination of the FR-TPE jacket and an IP67 interface resists chemicals, dust, vibration, and other industrial hazards.

Mechanical Performance

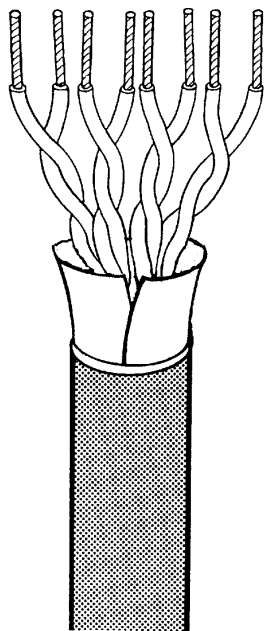
Quabbin's FR-TPE compound has good to excellent mechanical characteristics. A few are listed below:

- Good chemical and ozone resistance
- Excellent flex-life and low temperature flexibility
- Good weld spatter resistance
- Good UV and fire resistance
- Good weathering and aging
- Good tear strength

The photo below illustrates a 2-pair FR-TPE jacketed cable with the jacket stripped to show the pairs and fillers. The photo also shows a cable with the jacket over-molded and terminated to a round 4-pin industrial connector.



2-Pair FR-TPE jacketed cable stripped to show construction details and over-molded round industrial 4-pin connector



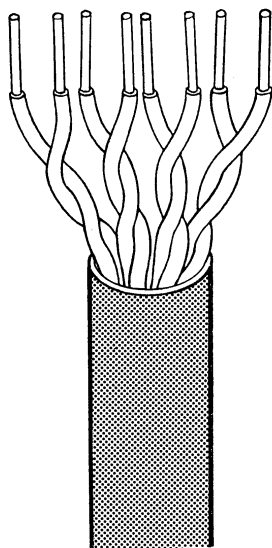
Application: Flexible patch/jumper cable for production of Category 5e Industrial Ethernet cords with exceptional flex-life. Jacket provides good mechanical and chemical resistance, fire, UV, and low temperature performance. May be terminated with encapsulated RJ-45 or cylindrical M12 connectors to achieve IP-67 rating. RoHS compliant

Construction: Stranded tinned copper as listed below, insulated with polyethylene and paired. Multipairs are cabled and jacketed with a pressured flame retardant thermoplastic elastomer compound and a tape separator. Jacket may be over-molded. 4-pair color code per Table G. 2-pair white/green x green, white/orange x orange

Listing/Ratings: Suitable for 100Base-T transmission or 1Gig E (4-pr)
 24 AWG: Cat 5e plug-to-plug channel @ 90 meters
 22 AWG: Cat 5e multi-connector channel @ 100 meters
 Nom. Impedance 1 - 100 MHz: 100 +/- 15 Ohms
 Mutual Capacitance 13.5 pF/ft Nom. @ 1 MHz
 Type (UL) C(UL) CMX OUTDOOR - CM, sunlight resistant
 75 °C Article 800 (Black & Teal, others pending)
 Consult factory and page 16-E for flex-life information
 (meets 1 million cycles @ 4" radius bend and
 10 million cycles @ 8" radius bend in rolling
 bend test)

Part Number	No. of Pairs	AWG Stranding	Jacket Color*	Insulation Thickness		Jacket Thickness		Maximum Diameter		1M' Pkg Weight Lbs.
				inch	mm	inch	mm	inch	mm	
5770	2	24 (7/32)	Black	.007	.18	.028	.71	.210	5.33	22
5771	2	24 (7/32)	Blue	.007	.18	.028	.71	.210	5.33	22
5772	2	24 (7/32)	Teal	.007	.18	.028	.71	.210	5.33	22
5773	2	24 (7/32)	Red	.007	.18	.028	.71	.210	5.33	22
5750	4	24 (7/32)	Black	.007	.18	.028	.71	.227	5.77	32
5751	4	24 (7/32)	Blue	.007	.18	.028	.71	.227	5.77	32
5752	4	24 (7/32)	Teal	.007	.18	.028	.71	.227	5.77	32
5753	4	24 (7/32)	Red	.007	.18	.028	.71	.227	5.77	32
5900	2	22 (7/30)	Black	.009	.23	.024	.61	.245	6.22	25
5901	2	22 (7/30)	Blue	.009	.23	.024	.61	.245	6.22	25
5902	2	22 (7/30)	Teal	.009	.23	.024	.61	.245	6.22	25
5800	4	22 (7/30)	Black	.009	.23	.024	.61	.245	6.22	34
5801	4	22 (7/30)	Blue	.009	.23	.024	.61	.245	6.22	34
5802	4	22 (7/30)	Teal	.009	.23	.024	.61	.245	6.22	34

*Other jacket colors are available



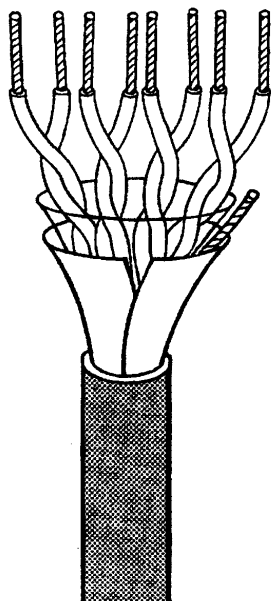
Application: Horizontal cable that exceeds the requirements of TIA/EIA-568-B.2 enhanced Category 5e. Jacket provides good mechanical and chemical resistance, fire, UV, and low temperature performance. RoHS compliant

Construction: 24 AWG solid bare copper, insulated with polyolefin and paired. Pairs cabled and jacketed with a flame resistant thermoplastic elastomer compound that may be over-molded. Color code per Table G.

Listing/Ratings: Cat 5e plug-to-plug channel Max. 80 meters
 Temperature rating: 75 °C Max., -40 °C Min.
 Nom. Impedance 1 - 100 MHz: 100 +/- 15 Ohms
 Mutual Capacitance 15.0 pF/ft Nom. @ 1 MHz
 Type (UL) C(UL) CMX OUTDOOR - CM, sunlight resistant, 75 °C Article 800

Part Number	No. of Pairs	AWG Stranding	Jacket Color*	Insulation Thickness		Jacket Thickness		Nominal Diameter		1M' Pkg Weight Lbs.
				inch	mm	inch	mm	inch	mm	
9415	4	24 Solid	Teal	.008	.20	.028	.71	.224	5.77	26

*Other jacket colors are available



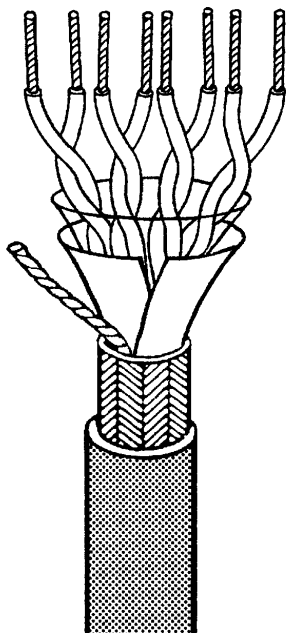
Application: Shielded (F/UTP) flexible patch/jumper cable for production of durable Category 5e Industrial Ethernet cords with exceptional flex-life. Jacket provides good mechanical and chemical resistance, fire, UV, and low temperature performance. May be terminated with encapsulated RJ-45 or cylindrical M12 connectors to achieve IP-67 rating. RoHS compliant

Construction: Stranded 26 AWG (7/34) tinned copper insulated with polyolefin and paired. Pairs cabled with overall clear polyester tape, aluminum polyester tape shield, and stranded tinned copper drain wire in. Jacketed with a pressured flame resistant thermoplastic elastomer compound that may be over-molded. 4-pair color code per Table G. 2-pair: white/green x green, white/orange x orange

Listing/Ratings: Cat 5e plug-to-plug channel Max. 80 meters
 Temperature rating: 75 °C Max., -40 °C Min.
 Nom. Impedance 1 - 100 MHz: 100 +/- 15 Ohms
 Mutual Capacitance 13.5 pF/ft Nom. @ 1 MHz
 Type (UL) C(UL) CMX OUTDOOR - CM,
 sunlight resistant, 75 °C Article 800
 (Black & Teal, others pending)
 Consult factory and page 16-E for flex-life information

Part Number	No. of Pairs	AWG Stranding	Jacket Color*	Insulation Thickness		Jacket Thickness		Nominal Diameter		1M' Pkg Weight Lbs.
				inch	mm	inch	mm	inch	mm	
5035	2	26 (7/34)	Black	.010	.25	.028	.71	.229	5.87	22
5036	2	26 (7/34)	Blue	.010	.25	.028	.71	.229	5.87	22
5037	2	26 (7/34)	Teal	.010	.25	.028	.71	.229	5.87	22
5038	2	26 (7/34)	Red	.010	.25	.028	.71	.229	5.87	22
5760	4	26 (7/34)	Black	.010	.25	.028	.71	.227	5.77	27
5761	4	26 (7/34)	Blue	.010	.25	.028	.71	.227	5.77	27
5762	4	26 (7/34)	Teal	.010	.25	.028	.71	.227	5.77	27
5763	4	26 (7/34)	Red	.010	.25	.028	.71	.227	5.77	27

*Other jacket colors are available


Application:

Shielded (SF/UTP) flexible patch/jumper cable for production of durable Category 5e Industrial Ethernet cords with exceptional flex-life. Jacket provides good mechanical and chemical resistance, fire, UV, and low temperature performance. May be terminated with encapsulated RJ-45 or cylindrical M12 connectors to achieve IP-67 rating. RoHS compliant

Construction:

Stranded 26 AWG (7/34) tinned copper insulated with polyolefin and paired. Pairs cabled with overall clear polyester tape, aluminum polyester tape with stranded tinned copper drain wire out, and 38 AWG tinned copper braid. Jacketed with a pressed flame resistant thermoplastic elastomer compound that may be over-molded. 4-pair color code per Table G. 2-pair: white/green x green, white/orange x orange

Listing/Ratings:

Cat 5e plug-to-plug channel Max. 80 meters
 Temperature rating: 75 °C Max., -40 °C Min.
 Nom. Impedance 1 - 100 MHz: 100 +/- 15 Ohms
 Mutual Capacitance 13.5 pF/ft Nom. @ 1 MHz
 Type (UL) C(UL) CMX OUTDOOR - CM,
 sunlight resistant, 75 °C Article 800
 (Black & Teal, others pending)
 Consult factory and page 16-E for flex-life information

Part Number	No. of Pairs	AWG Stranding	Jacket Color*	Insulation Thickness		Jacket Thickness		Nominal Diameter		1M' Pkg Weight Lbs.
				inch	mm	inch	mm	inch	mm	
5050	2	26 (7/34)	Black	.010	.25	.028	.71	.248	6.30	30
5051	2	26 (7/34)	Blue	.010	.25	.028	.71	.248	6.30	30
5052	2	26 (7/34)	Teal	.010	.25	.028	.71	.248	6.30	30
5734	4	26 (7/34)	Black	.010	.25	.028	.71	.248	6.30	39
5735	4	26 (7/34)	Blue	.010	.25	.028	.71	.248	6.30	39
5736	4	26 (7/34)	Teal	.010	.25	.028	.71	.248	6.30	39

*Other jacket colors are available

Introduction

High speed Industrial Ethernet (IE) is replacing proprietary Kbit/sec protocols for factory and other industrial control applications. These IE systems must be very reliable and survive hazards that will quickly destroy cabling designed for a commercial network.

Because no single cable design will be “best” for every installation, Quabbin Wire has created a family of DataMax Extreme cable jackets, each with different properties. Industrial-Grade PVC is one of those options.

Industrial-Grade PVC

There are hundreds of different polyvinylchloride (PVC) compounds used for jacketing electrical cables. All are designed to optimize a few properties such as mechanical performance, cost, low-temperature flexibility, sunlight resistance, or aging. Since commercial LAN cables are used in protected environments, their PVC jacket compounds typically optimize manufacturing efficiency, electrical performance, and cost.

Quabbin's Industrial-Grade PVC jacket will survive many of the industrial hazards that commercial PVCs will not. Compared to Quabbin's other IE jacket options, this material has the lowest cost, excellent flame/fire resistance, good resistance to petrochemical oils, ozone, and bases.

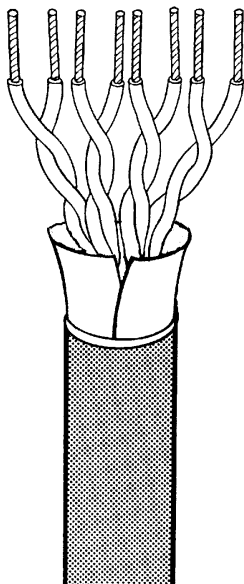
Like the other DataMax Extreme jackets, Industrial-Grade PVC is pressure extruded over the cable core, locking the pairs in place, providing very stable Category 5e performance, even when mechanically abused. The smooth round jacket is easily terminated to using connectors with O-rings, sealing gaskets, or over-molding. These cables are available in a variety of jacket colors, conductor sizes, in 2-pair and 4-pair designs, and either shielded or unshielded.

Jacket Comparison Information

The table below provides comparison information for the three jacketing compounds currently offered by Quabbin for their IE product line. Since no jacket is “best” for all applications, Quabbin's Sales Service Department will help you determine the proper construction for your project.

Performance Criteria	Polyurethane	FR-TPE	Industrial-PVC
Low Cost Construction	Fair	Good	Excellent
RoHS Compliant and Lead Free	Yes	Yes	Yes
Dielectric Strength and Electrical Performance	Fair	Good	Good
Low Temperature Flexibility and Brittle Point	Excellent	Excellent	Fair
Tear Resistance	Excellent	Good	Fair
Abrasion and Scuff Resistance	Excellent	Good	Good
Flexibility and Flex-Life *	Excellent	Excellent	Fair
Tensile Strength and Toughness	Excellent	Good	Good
Resistance to Ozone	Good	Good	Excellent
Ultraviolet and Weather Resistance	Good	Good	Fair
Resistance to Acids	Fair	Good	Fair
Resistance to Bases	Good	Good	Good
Resistance to Moisture	Excellent	Excellent	Good
Resistance to Petrochemicals	Fair	Fair	Good
Flame and Fire Resistance	Fair	Good	Excellent

*Consult factory and page 14-E for flex-life information



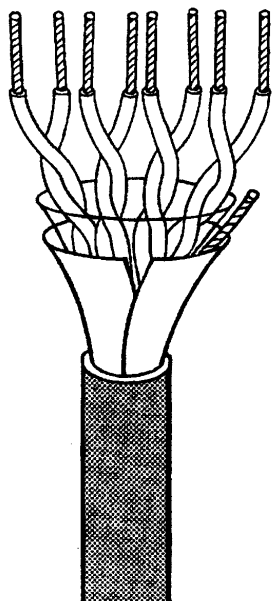
Application: Flexible patch/jumper cable for production of durable Category 5e Industrial Ethernet cords. Jacket provides excellent fire resistance, good chemical resistance, plus good electrical and mechanical performance. May be terminated with encapsulated RJ-45's, cylindrical M12 connectors, or over-molded to achieve IP-67 rating. RoHS compliant

Construction: Stranded tinned copper as listed below, insulated with polyolefin and paired. Pairs cabled and jacketed with pressured Industrial-Grade PVC compound and a tape separator. Two pair designs have fillers not shown in drawing. 4-pair color code per Table G. 2-pair: white/green x green, white/orange x orange

Listing/Ratings: Cords exceed TIA/EIA-568-B.2 Cat 5e NEXT & RL Suitable for 10Base-T or 100Base-T transmission
 Max. plug-to-plug 5e channel: 24 AWG 90 meters, 22 AWG 100 meters
 Temperature rating: 75 °C Max., -20 °C Min.
 Nom. Impedance 1 - 100 MHz: 100 +/- 15 Ohms
 Mutual Capacitance 13.5 pF/ft Nom. @ 1 MHz
 NEC and CEC Type CMR, 75°C

Part Number	No. of Pairs	AWG Stranding	Jacket Color*	Insulation Thickness		Jacket Thickness		Nominal Diameter		1M' Pkg Weight Lbs.
				inch	mm	inch	mm	inch	mm	
5780	2	24 (7/32)	Black	.007	.18	.022	.56	.220	5.59	21
5781	2	24 (7/32)	Blue	.007	.18	.022	.56	.220	5.59	21
5782	2	24 (7/32)	Teal	.007	.18	.022	.56	.220	5.59	21
5783	2	24 (7/32)	Red	.007	.18	.022	.56	.220	5.59	21
5915	4	24 (7/32)	Black	.007	.18	.022	.56	.227	5.76	26
5917	4	24 (7/32)	Blue	.007	.18	.022	.56	.227	5.76	26
5916	4	24 (7/32)	Teal	.007	.18	.022	.56	.227	5.76	26
5918	4	24 (7/32)	Red	.007	.18	.022	.56	.227	5.76	26
5904	2	22 (7/30)	Black	.009	.23	.024	.61	.245	6.22	24
5905	2	22 (7/30)	Blue	.009	.23	.024	.61	.245	6.22	24
5906	2	22 (7/30)	Teal	.009	.23	.024	.61	.245	6.22	24
5908	4	22 (7/30)	Black	.009	.23	.024	.61	.245	6.22	33
5909	4	22 (7/30)	Blue	.009	.23	.024	.61	.245	6.22	33
5910	4	22 (7/30)	Teal	.009	.23	.024	.61	.245	6.22	33

*Other jacket colors are available



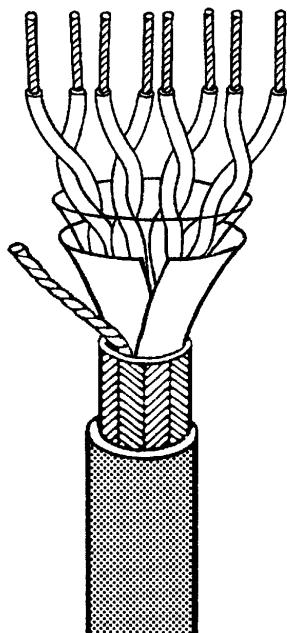
Application: Shielded (F/UTP) flexible patch/jumper cable for production of durable Category 5e Industrial Ethernet cords. Jacket provides excellent fire resistance, good chemical resistance, plus good electrical and mechanical performance. May be terminated with shielded encapsulated RJ-45 or cylindrical M12 connectors to achieve IP-67 rating. RoHS compliant

Construction: Stranded 26 AWG (7/34) tinned copper insulated with polyolefin and paired. Pairs are cabled with overall clear polyester tape and an aluminum/polyester tape shield and a stranded 26 AWG drain wire in. Jacketed with pressured Industrial-Grade PVC that may be over-molded. 4-pair color code per Table G. 2-pair: white/green x green, white/orange x orange

Listing/Ratings: Cords meet TIA Cat 5e and ISO class D requirements
 Suitable for 10Base-T or 100Base-T transmission
 Maximum plug-to-plug Cat 5e channel 80 meters
 Temperature rating: 75°C Max., -20 °C Min.
 Nom. Impedance 1 - 100 MHz: 100 +/- 15 Ohms
 Mutual Capacitance 13.5 pF/ft Nom. @ 1 MHz
 NEC and CEC Type CMR, 75°C

Part Number	No. of Pairs	Jacket Color*	Insulation Thickness		Jacket Thickness		Nominal Diameter		1M' Pkg Weight Lbs.
			inch	mm	inch	mm	inch	mm	
5030	2	Black	.010	.25	.022	.56	.217	5.51	21
5031	2	Blue	.010	.25	.022	.56	.217	5.51	21
5032	2	Teal	.010	.25	.022	.56	.217	5.51	21
5725	4	Black	.010	.25	.022	.56	.217	5.51	37
5726	4	Blue	.010	.25	.022	.56	.217	5.51	37
5727	4	Teal	.010	.25	.022	.56	.217	5.51	37

*Other jacket colors are available


Application:

Shielded (SF/UTP) flexible patch/jumper cable for production of durable Category 5e Industrial Ethernet cords. Jacket provides excellent fire resistance, good chemical resistance, plus good electrical and mechanical performance. May be terminated with shielded encapsulated RJ-45 or cylindrical M12 connectors to achieve IP-67 rating. RoHS compliant

Construction:

Stranded 26 AWG (7/34) tinned copper insulated with polyolefin and paired. Pairs cabled with overall clear polyester tape, aluminum polyester tape with stranded tinned copper drain wire out, and 38 AWG tinned copper braid. Jacketed with pressured Industrial-Grade PVC that may be over-molded. 4-pair color code per Table G. 2-pair: white/green x green, white/orange x orange

Listing/Ratings:

Cords meet TIA Cat 5e and ISO class D requirements
 Suitable for 10Base-T or 100Base-T transmission
 Maximum plug-to-plug Cat 5e channel 80 meters
 Temperature rating: 75°C Max., -20 °C Min.
 Nom. Impedance 1 - 100 MHz: 100 +/- 15 Ohms
 Mutual Capacitance 13.5 pF/ft Nom. @ 1 MHz
 NEC and CEC Type CMR, 75°C

Part Number	No. of Pairs	Jacket Color*	Insulation Thickness		Jacket Thickness		Nominal Diameter		1M' Pkg Weight Lbs.
			inch	mm	inch	mm	inch	mm	
5060	2	Black	.010	.25	.022	.56	.236	5.99	37
5061	2	Blue	.010	.25	.022	.56	.236	5.99	37
5062	2	Teal	.010	.25	.022	.56	.236	5.99	37
5739	4	Black	.010	.25	.022	.56	.236	5.99	41
5740	4	Blue	.010	.25	.022	.56	.236	5.99	41
5741	4	Teal	.010	.25	.022	.56	.236	5.99	41

*Other jacket colors are available

Flexibility and Flex-life

All cables must be flexible enough to withstand the bending and stresses of installation. However, many Industrial Ethernet cables continuously operate in applications that require both flexibility and extended flex-life. For example, cables in robotic applications must be both flexible and have a very long flex-life. These cables must reliably transmit error-free Ethernet signals for millions of bend cycles.

Quabbin Wire's entire family of DataMax Extreme cables have pressured overall jackets that lock the high-performance pairs into relative alignment, assuring reliable Ethernet transmission when the cables are bent, flexed, or moderately abused. Combining the pressured jacket design with Quabbin's Flame Retardant Thermoplastic Elastomer (FR-TPE) and Polyurethane jacketed constructions provide exceptional flexibility and flex-life performance.

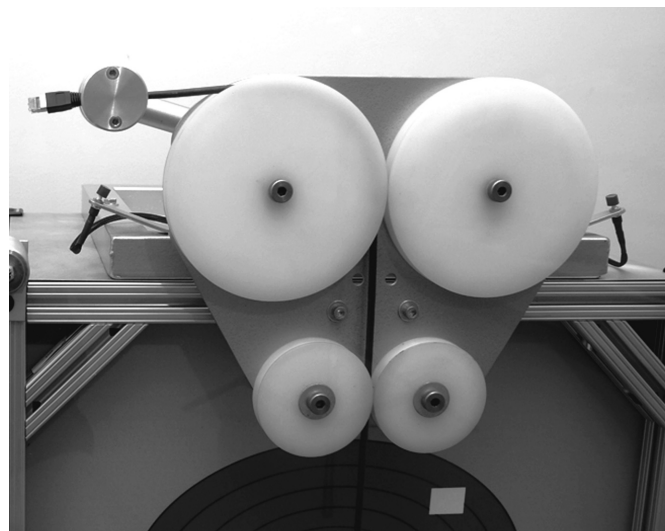
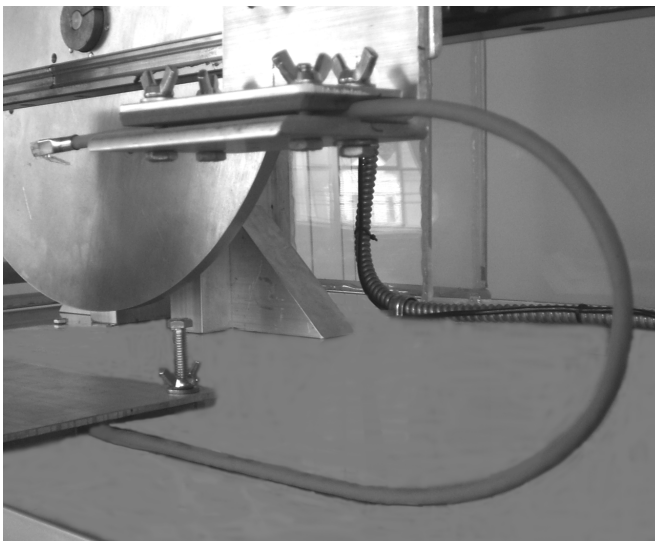
Two Types of Bending

Industrial flexing applications usually bend the cable repeatedly at one point along its length, or the bending may be distributed along the cable's length. This latter case is typical of a "C-Track" or rolling-bend installation. The former is referred to as a "Tic-Toc" test because of the similarity between the moving test arm and a clock's pendulum.

The photo below illustrates a "Tic-Toc" test that repeatedly bends a cable or cord at the same point. The arm at the upper left is shown bending a 4-pair shielded

polyurethane patch cord (Quabbin P/N 5730) back and forth 180 degrees over 6 inch mandrels. The lower end of the cord is attached to a 1 pound weight to add tension and constrain the cable. The test subjects the cord to approximately one million cycles per month and is continued to cord failure. *At the time of this photo (September 2008) the patch cord had survived 10 million cycles yet continued to meet TIA Category 6 Ethernet transmission requirements!*

The photo below illustrates a rolling-bend test fixture that bends the cable or cord along its length. The bottom end of the cable is fixed while the top is repeatedly moved through a 9 inch stroke at 120,000 cycles



per day. Patch cords assembled using 2-pair and 4-pair unshielded FR-TPE jacketed cable (P/Ns 5770 and 5750 respectively) have been tested to 1 million cycles with a 4.5 inch radius bend and to 10 million cycles with an 8 inch radius bend. In both cases, electrical performance testing was performed while the cords cycled through the full range of movement. Moving the cords while testing eliminates the potential for false positive results that could occur when testing a stationary cord with a broken conductor. *All cords passed TIA Category 6 requirements both during and at the conclusion of the tests!*

Contact Quabbin Wire's engineering department for more detailed flex-life data and test reports on DataMax Extreme Industrial Ethernet cables.

SECTION F CONTENTS

Quabbin's Custom Cable Design Process	1-F
Double Shielded 78 Ohm Industrial Databus, Audio	2-F
2-Pair (1-Pair Shielded) Audio, Communication	3-F
Shielded Low Noise Microphone, MIDI	4-F
Pairs and Overall Shielded 2-Pair Audio, Communication	5-F
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Commercial Versions of Fluoropolymer "RG-Type" Coaxials	7-F
Shielded Fiber-to-Copper Clock-Rate or Timing	8-F
Mini-Coaxial RGB or Analog Video	9-F
Composite Design for Truck-Stops	10-F

SPECIAL CONSTRUCTIONS CUSTOM CABLE DESIGN PROCESS

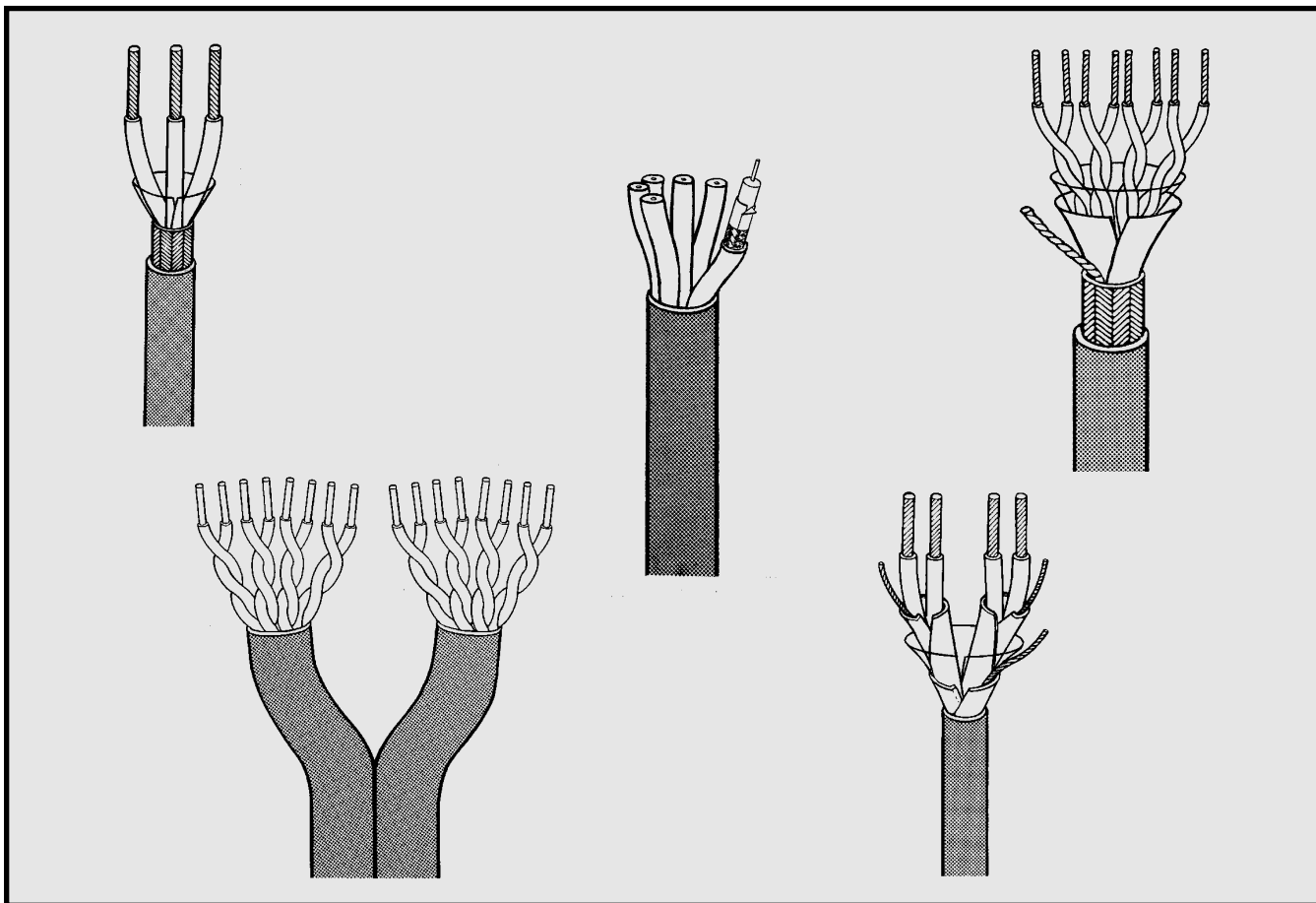
Quabbin Wire & Cable Co., Inc is well known as a stocking manufacturer of low voltage electronic and data transmission cables; however, we also have the capability to produce custom or special designs. We have thousands of designs on file, ranging from special hook-up wires to exotic composite cables. This section of the catalog illustrates a few of these special constructions that Quabbin has designed and produced for unusual applications.

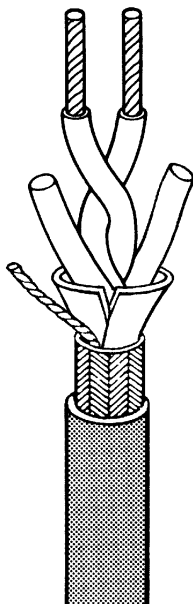
Quabbin Wire can provide a preliminary design and quotation in 1 –2 working days. If there is further interest, a formal design specification is submitted for customer review, and manufacture of the cable begins promptly after the design has been approved. Our design staff can work from an existing cable sample, a performance specification, or they can talk you through your design requirements.

Our unique “Integra-Design” process enables Quabbin to quickly respond at either the OEM equipment or system level. This is a paperless procedure that fully integrates the design of the cable and the development of the manufacturing process.

Engineering also uses a custom finite element design package that is especially useful for exotic constructions that must operate at high frequencies or with other controlled electronic parameters. This process provides quick prototype delivery if required, and a smooth transition to full-scale production without compromising the design. It also eliminates many design iterations usually needed to develop the proper cable.

Last, Quabbin often provides design/specification protection by using a unique part number. Think of Quabbin for your next custom cable design or when you have an unusual cable requirement.





Application: Broadcast, Industrial Databus and Computer Interconnect Cable. RoHS compliant

Construction: 20 AWG stranded tinned copper as listed below, insulated with polyethylene and paired with poly rod fillers. Shielded with overall aluminum/polyester tape, 22 AWG stranded tinned copper drain wire, and tinned copper braid. Blue PVC jacket. Other jacket colors available.

Listing/Ratings: NEC Type CM 75°, Article 800
 Velocity of propagation: 66%
 Nominal impedance: 78 ohms
 CEC Type CMG*

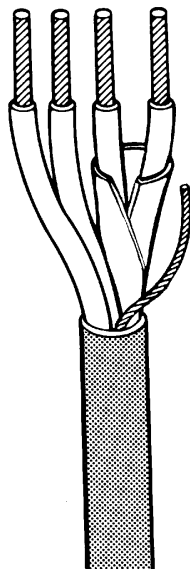
Part Number	Strand	Insulation Thickness		Jacket Thickness		Nominal Diameter		Min. Braid Cover	Nom. Mutual Cap. pF/ft	1M' Weight Lbs.
		inch	mm	inch	mm	inch	mm			
6205	7/28	.021	.53	.032	.81	.243	6.17	55%	20.0	40

Color Code: blue paired with clear

*Quabbin may substitute CSA Type CMG or C(UL) in the future

SPECIAL CONSTRUCTIONS

PAIR SHIELDED 20 & 22 AWG



Application: Audio and Communication Interconnect Cable.
RoHS compliant.

Construction: Stranded tinned copper as listed below, insulated with PVC or polyethylene and paired. Red and black pair shielded with aluminum/polyester tape and stranded tinned copper drain wire. Two pairs cabled (see note below) and jacketed with chrome gray PVC.

Listing/Ratings: Mfr's Suggested Working Voltage:
P/N 7460 - 200 Volt
P/N 7465 - 200 Volt (AWM Style 2725)
P/N 6185 - 350 Volt
(UL) NEC Type CM, Article 800
CSA as listed below

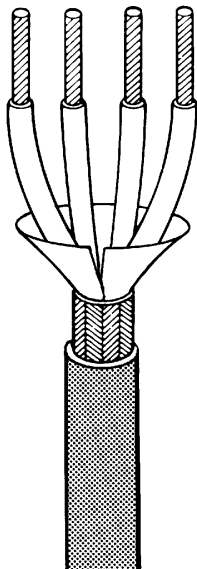
Part Number	AWG Strand	Insul.	Drain Wire AWG	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. pF/ft		CSA Type	1M' Pkg Weight Lbs.
				inch	mm	inch	mm	inch	mm	a	b		
7460	22 7/30	PE	24	.008	.20	.030	.76	.205	5.21	34	67	CMG	24
7465	22 7/30	PE	24	.008	.20	.019	.48	.165	4.19	34	67	CMG	22
6185	20 7/28	PVC	22	.015	.38	.028	.71	.218	5.54	60	99	AWM	34

a = Capacitance between conductors.

b = Capacitance between 1 conductor and other conductors connected to shield.

Color Code: black x red shielded pair
green x white other pair

Note: Part numbers 7465 and 6185 are cabled on a common axis to reduce finished diameter.



Application: Opposite conductors connected together and used as two conductor cable for low induced noise audio and music transmission. Also used as 4/C for MIDI applications. Contact Quabbin for RoHS information

Construction: 24 AWG (42/40) stranded bare copper as listed below, insulated with polyethylene. Four conductors cabled and shielded with overall 95% coverage tinned copper braid. Jacketed with matte finished PVC. Conductor color code listed below.

Listing/Ratings: Mfr's Suggested Working Voltage: 100 Volt

Part Number	Jacket Color	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. pF/ft		Color Code*	1M' Pkg. Weight Lbs.
		inch	mm	inch	mm	inch	mm	a	b		
8490	Black	.016	.41	.045	1.14	.245	6.22	39.2	57.4	2 Blue 2 White	39
8492	Red	.016	.41	.045	1.14	.245	6.22	39.2	57.4	2 Blue 2 White	39
8494	Yellow	.016	.41	.045	1.14	.245	6.22	39.2	57.4	2 Blue 2 White	39
8495	Green	.016	.41	.045	1.14	.245	6.22	39.2	57.4	2 Blue 2 White	39
8496	Blue	.016	.41	.045	1.14	.245	6.22	39.2	57.4	2 Blue 2 White	39
8498	Gray	.016	.41	.045	1.14	.245	6.22	39.2	57.4	2 Blue 2 White	39

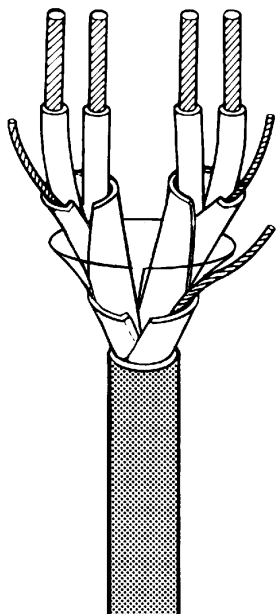
a = Capacitance between 2 blue conductors tied together and 2 white conductors tied together.

b = Capacitance between 2 like-colored conductors and other conductors connected to shield.

Note: One blue and one white conductor striped for identification when used as 4/C cable.

SPECIAL CONSTRUCTIONS

PAIRS AND OVERALL SHIELDED 22 AWG



Application: Audio and Communication Interconnect Cable.
RoHS compliant

Construction: 22 AWG (7/30) stranded tinned copper insulated with polypropylene and paired. Each pair with individual 24 AWG stranded tinned copper drain wire and tape shield. Pairs cabled on a common axis to reduce cable diameter, and shielded with overall aluminum/polyester tape and 24 AWG stranded tinned copper drain wire. All three shields isolated from each other. Chrome gray PVC jacket

Listing/Ratings: (UL) AWM Style 20093, 150 Volt 60°C
NEC Type CM, Article 800

Part Number	No. of Pairs	Insulation Thickness		Jacket Thickness		Nominal Diameter		Nom. Cap. pF/ft		Color Code	1M' Pkg. Weight Lbs.
		inch	mm	inch	mm	inch	mm	a	b		
7455	2	.010	.25	.030	.76	.200	5.08	35	62	Blk/Red Grn/Wht	29

a = Capacitance between conductors.

b = Capacitance between 1 conductor and other conductors connected to shield.



Application: Transmission of one or two digital audio channels with sampling rates and bandwidth per AES/EBU (Audio Engineering Society/European Broadcast Union) specifications. Shield tape is bonded to cable jacket for easy cable termination. RoHS compliant

Construction: 24 AWG solid tinned copper insulated with foamed polypropylene and paired. Conductor color code Black and White. Shielded with aluminum vinyl tape bonded to jacket and solid 24 AWG tinned copper drain wire inside tape layer. PVC jacket with colors as listed below

Listing/Ratings: Temperature rating 60°C Max.
 Mutual capacitance 13 pF/ft.
 Grounded capacitance 23 pF/ft.
 Voltage rating 300 Volts Max.
 Impedance 110 Ohms Nom.
 DC resistance 27.2 Ohms/K ft.
 Attenuation: @ 3 MHz 1.29 dB/100 ft.
 @ 6 MHz 1.65 dB/100 ft.

Part Number	Jacket Color*	Insulation Thickness		Jacket Thickness		Nominal Diameter		1M' Pkg Weight Lbs.
		inch	mm	inch	mm	inch	mm	
6201	Violet	.020	0.51	.021	0.53	0.165	4.19	17
6202	Blue	.020	0.51	.021	0.53	0.165	4.19	17
6203	White	.020	0.51	.021	0.53	0.165	4.19	17

*Consult factory for other jacket colors



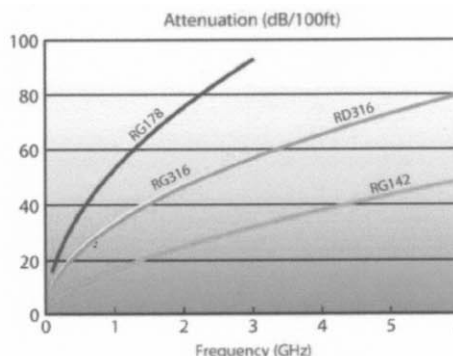
Application: Low loss high frequency transmission for commercial applications, replacing military-grade fluoropolymer insulated "RG-type" coaxials. Less weight and cost, equivalent dimensions and electricals, yet uses same connectors

Construction: Stranded copper as listed below insulated with solid or foamed high-density polyethylene. Overall 38 AWG tinned copper braid (See coverage below) and PVC jacket

Listing/Ratings: Temperature rating 75° C Max.
 Shielding effectiveness > 90 dB
 Min. bend diameter 10 X cable diameter
 Nominal velocity of propagation 70%
 Electrical performance see table below

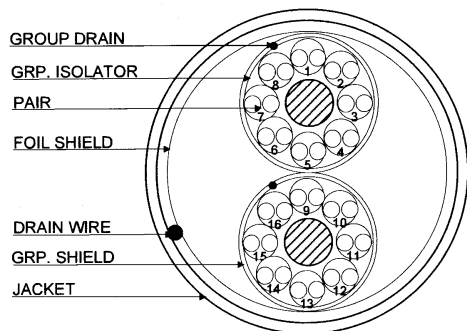
Part Number RG Type	Conductor	Jacket Color	Braid Coverage (Min. %)	Imped. (Ohms)	Mutual Capac. (pF/ft.)	Nominal Diameter		1M' Pkg Weight (Lbs.)
						(inch)	(mm)	
2174 RG-174	26 AWG 7/34 TC	Black	85	50	30.8	0.100	2.54	12
2178 RG-178	30 AWG 7/38 TC	Gray	90	50	29.4	0.072	1.83	8
2179 RG-179	30 AWG 7/004 TC	Gray	90	75	19.5	0.102	2.59	10
2316 RG-316	7/0067 TC	Gray	90	50	29.4	0.098	2.49	11

Frequency (GHz)	RGE178 (dB/100 ft)	RGE316 (dB/100 ft)	RDE316 (dB/100 ft)	RGE142 (dB/100 ft)
0.1	16.3	11	10.6	4.2
0.2	23.2	15.4	14.9	6.4
0.5	37.1	24.2	23.4	11
1	52.9	34	32.9	16.7
2	75.3	47.8	46.4	25.2
3	92.7	58.3	56.7	32.1
6	-	-	79.9	48.5



Application:

Lucent "UMTS" timing cable. Establishes clock-rate on copper side of high-speed fiber optic switches or routers using 120 Ohm E-1 signals, synchronizing copper protocols. Consult factory for T-1, T-1/E-1 and other timing designs. RoHS compliant



Construction:

26 AWG solid tinned copper insulated with foamed polypropylene and paired. 8-pairs grouped with a filler, overall shielded with AMS tape and solid 26 AWG tinned copper drain wire inside tape layer. 2-groups are overall shielded with AMS tape and solid 26 AWG tinned copper drain wire outside tape layer and wrapped with a binder thread. Jacketed with gray PVC.

Listing/Ratings:

Temperature rating 60°C Max.
Mutual capacitance 13.5 pF/ft.
Voltage rating 300 Volts Max.
Impedance 120 Ohms Nom. at 2 MHz
NEXT (1 - 20 MHz): 43 - 15log (F/772) min
ELFEXT (1 - 20 MHz): 10.7 + 20log (F/100) min
DC resistance 44.5 Ohms/K ft. (146.0 Ohms/Km)
Velocity of propagation 71%
NEC and C(UL) type CMR

Part Number	Insulation Thickness		Jacket Thickness		Maximum Diameter		1M' Pkg Weight Lbs.
	inch	mm	inch	mm	inch	mm	
32013*	.010	0.25	.050	1.27	0.500	12.7	110

*Consult factory for other jacket colors

Pair Number	Color Combination	Pair Number	Color Combination
1	White/Blue X Blue/White	9	White/Orange X Orange/White
2	White/Green X Green/White	10	White/Brown X Brown/White
3	White/Gray X Gray/White	11	Red/Blue X Blue/Red
4	Red/Orange X Orange/Red	12	Red/Green X Green/Red
5	Red/Brown X Brown/Red	13	Red/Gray X Gray/Red
6	Black/Blue X Blue/Black	14	Black/Orange X Orange/Black
7	Green/Black X Black/Green	15	Brown/Black X Black/Brown
8	Gray/Black X Black/Gray	16	Blue/Yellow X Yellow/Blue

SPECIAL CONSTRUCTIONS

VIDEO RGB MINI-COAXIAL CABLES



Application: RGB (red, green, blue) or component color analog video processing with controlled skew and attenuation.

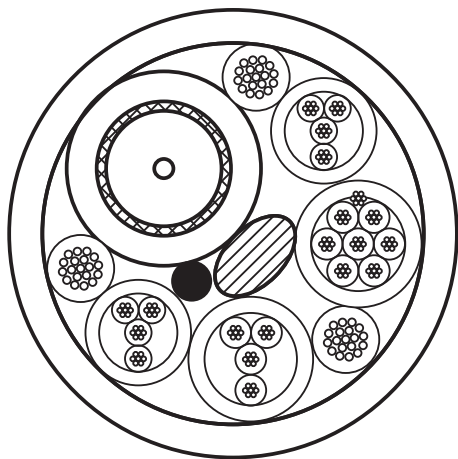
Construction: 30 AWG (7/38) stranded tinned copper insulated with foamed high-density polyethylene. Shielded with 38 AWG tinned copper braid (90% minimum coverage). PVC jacket with color listed below

Listing/Ratings: Temperature rating 80°C Max.
 Mutual capacitance 17.3 pF/ft.
 Max. operating voltage 1500 Volts RMS
 Impedance 75 Ohms Nom.
 Velocity of propagation 78%
 Insertion Loss (Attenuation) see table below
 UL AWM Style 1354, 60°C 30 Volt

Part Number	Jacket Color	Insulation Thickness		Jacket Thickness		Nominal Diameter		1M' Pkg Weight Lbs.
		inch	mm	inch	mm	inch	mm	
2730	Red	.023	0.58	.0115	0.29	0.098	2.49	12
2731	Blue	.023	0.58	.0115	0.29	0.098	2.49	12
2732	Green	.023	0.58	.0115	0.29	0.098	2.49	12

Frequency (MHz)	Nom. Attenuation (dB/100 ft)
1.0	0.8
5.0	1.5
10.0	2.2
30.0	4.0
50.0	5.4
100.0	8.2

SPECIAL CONSTRUCTIONS COMPOSITE TRUCK-STOP CABLE



Application: 23 conductor hybrid or composite cable designed for hookup to long-haul trucks at truck stops. Provides video, power, voice, card-reader, HVAC, and data capability. RoHS compliant

Construction: Power: 3/C 16 AWG (19/.0117) tinned copper insulated with .014" semi-rigid PVC (red, black, green)
Data: 2-groups of 2-pair with 26 AWG (7/34) tinned copper insulated with .007" polyethylene. Each group with .018" PVC jacket (orange & violet)
Voice: 2-pair 26 AWG (7/34) tinned copper insulated with .010" semi-rigid PVC. Jacketed with .018" blue PVC
Control: 7/C 26 AWG (7/34) tinned copper insulated with .010" semi-rigid PVC. Overall aluminum/polyester tape shield with 26 AWG tinned copper drain wire between shield and .020 " PVC black jacket
Video: 75 Ohm RG 59/U type coax with black jacket

Groups cabled with 3-strength member ends, fillers, clear O/A polyester binder tape, and black thermoplastic jacket

Listing/Ratings: Temp. rating: -40°C Min., 85°C Max.
 Strength member will support 250 Lbs.
 Mutual capacitance: Power 22 pF/ft
 Voice 17 pF/ft
 Control 24 pF/ft
 Data 13.5 pF/ft
 Voltage rating 300 Volts Max.
 Data pairs rated 75% of Category 5 due to 26 AWG conductor size

Part Number	Jacket Thickness		Nominal Diameter		1M' Pkg Weight Lbs.
	inch	mm	inch	mm	
23000	.040	1.02	0.556	14.12	150

SECTION G CONTENTS

Color Code Charts For Multiconductor and Multipair Cable	1-G, 2-G
Solid and Stranded Copper Mechanical and Electrical Data	3-G
Reel and Spool Cable Capacity Calculation	4-G
Belden Cross Reference Chart	5-G, 6-G

TECHNICAL INFORMATION

COLOR CODE CHARTS

TABLE A

Conductor	Color
1st	Black
2nd	White
3rd	Red
4th	Green
5th	Brown
6th	Blue
7th	Orange
8th	Yellow
9th	Violet
10th	Grey
11th	Pink
12th	Tan

TABLE B

Conductor	Color	Conductor	Color	Conductor	Color
1st	Black	18th	Orange/Red	35th	Wht/Red/Org
2nd	White	19th	Blue/Red	36th	Org/Wht/Blue
3rd	Red	20th	Red/Green	37th	Wht/Red/Blue
4th	Green	21st	Orange/Green	38th	Blk/Wht/Grn
5th	Orange	22nd	Blk/Wht/Red	39th	Wht/Blk/Grn
6th	Blue	23rd	Wht/Blk/Red	40th	Red/Wht/Grn
7th	White/Black	24th	Red/Blk/Wht	41st	Grn/Wht/Blue
8th	Red/Black	25th	Grn/Blk/Wht	42nd	Org/Red/Grn
9th	Green/Black	26th	Org/Blk/Wht	43rd	Blu/Red/Grn
10th	Orange/Black	27th	Blue/Blk/Wht	44th	Blk/Wht/Blue
11th	Blue/Black	28th	Blk/Red/Grn	45th	Wht/Blk/Blue
12th	Black/White	29th	Wht/Red/Grn	46th	Red/Wht/Blue
13th	Red/White	30th	Red/Blk/Grn	47th	Grn/Org/Red
14th	Green/White	31st	Grn/Blk/Org	48th	Org/Red/Blue
15th	Blue/White	32nd	Org/Blk/Grn	49th	Blue/Red/Org
16th	Black/Red	33rd	Blue/Wht/Org	50th	Blk/Org/Red
17th	White/Red	34th	Blk/Wht/Org		

TABLE C

Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination
1	Black paired with Red	11	Red paired with Yellow	21	White paired with Brown	31	Violet paired with White
2	Black paired with White	12	Red paired with Brown	22	White paired with Orange	32	Violet paired w/Dark Green
3	Black paired with Green	13	Red paired with Orange	23	Blue paired with Yellow	33	Violet paired w/Light Blue
4	Black paired with Blue	14	Green paired with White	24	Blue paired with Brown	34	Violet paired with Yellow
5	Black paired with Yellow	15	Green paired with Blue	25	Blue paired with Orange	35	Violet paired with Brown
6	Black paired with Brown	16	Green paired with Yellow	26	Brown paired with Yellow	36	Violet paired with Black
7	Black paired with Orange	17	Green paired with Brown	27	Brown paired with Orange	37	Grey paired with White
8	Red paired with White	18	Green paired with Orange	28	Orange paired with Yellow		
9	Red paired with Green	19	White paired with Blue	29	Violet paired with Orange		
10	Red paired with Blue	20	White paired with Yellow	30	Violet paired with Red		

TABLE D

Pair No.	Color Combination
1	Black paired with Black/White
2	White paired with White/Black
3	Red paired with White/Red
4	Green paired with White/Green
5	Brown paired with White/Brown
6	Blue paired with White/Blue
7	Orange paired with White/Orange
8	Yellow paired with White/Yellow
9	Violet paired with White/Violet
10	Grey paired with White/Grey
11	Pink paired with White/Pink
12	Tan paired with White/Tan
13	Black/Blue paired with Blue/Black
14	Black/Orange paired with Orange/Black
15	Black/Green paired with Green/Black
16	Black/Brown paired with Brown/Black
17	Black/Grey paired with Grey/Black
18	Yellow/Blue paired with Blue/Yellow

When half pair is used, the conductor is color coded Green/Yellow

TABLE E

No.	Base Color	1st Stripe	2nd Stripe	No.	Base Color	1st Stripe	2nd Stripe
1	Black			31	White	Black	Grey
2	Red			32	White	Black	Violet
3	White			33	White	Black	Black
4	Green			34	White	Red	Black
5	Orange			35	White	Red	Red
6	Blue			36	White	Red	Green
7	Brown			37	White	Red	Blue
8	Yellow			38	White	Red	Brown
9	Violet			39	White	Red	Violet
10	Grey			40	White	Green	Black
11	Pink			41	White	Green	Red
12	Tan			42	White	Green	Green
13	Red	Green		43	White	Green	Blue
14	Red	Yellow		44	White	Green	Brown
15	Red	Black		45	White	Green	Violet
16	White	Black		46	White	Blue	Black
17	White	Red		47	White	Blue	Red
18	White	Green		48	White	Blue	Green
19	White	Yellow		49	White	Blue	Blue
20	White	Blue		50	White	Blue	Brown
21	White	Brown		51	White	Blue	Violet
22	White	Orange		52	White	Brown	Black
23	White	Grey		53	White	Brown	Red
24	White	Violet		54	White	Brown	Green
25	White	Black	Red	55	White	Brown	Blue
26	White	Black	Green	56	White	Brown	Brown
27	White	Black	Yellow	57	White	Brown	Violet
28	White	Black	Blue	58	White	Violet	Red
29	White	Black	Brown	59	White	Violet	Green
30	White	Black	Orange	60	White	Violet	Blue

TABLE F

Conductor	Color	Conductor	Color
1	Black	14	White/Orange
2	Brown	15	White/Yellow
3	Red	16	White/Green
4	Orange	17	White/Blue
5	Yellow	18	White/Violet
6	Green	19	White/Gray
7	Blue	20	White/Black/Brown
8	Violet	21	White/Black/Red
9	Gray	22	White/Black/Orange
10	White	23	White/Black/Yellow
11	White/Black	24	White/Black/Green
12	White/Brown	25	White/Black/Blue
13	White/Red	26	White/Black/Violet

TABLE G

Pair	Color
1	Blue x White/Blue
2	Orange x White/Orange
3	Green x White/Green
4	Brown x White/Brown
5	Gray x White/Gray
6	Red/Blue x Blue/Red
7	Red/Orange x Orange/Red
8	Red/Green x Green/Red
9	Red/Brown x Brown/Red
10	Red/Gray x Gray/Red
11	Black/Blue x Blue/Black
12	Black/Orange x Orange/Black

TECHNICAL INFORMATION

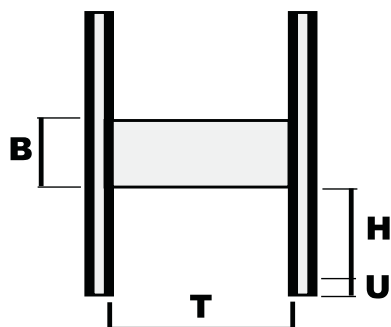
SOLID AND STRANDED COPPER DATA

All information listed below is for tinned copper unless otherwise indicated. Data is taken from the National Bureau of Standards Copper Wire Tables (Handbook 100).

AWG	STRAND	NOM. DIAMETER		CIRCULAR MIL AREA	WEIGHT		D.C. RESISTANCE	
		INCH	MM		#/1000'	KG/KM	OHMS/1000'	OHMS/KM
28	Solid Bare	.0126	.320	159.8	.484	.720	64.90	212.94
	7/36	.015	.381	141.8	.529	.787	64.90	212.94
	19/40	.016	.406	182.6	.553	.823	56.70	186.03
27	Solid Bare	.0142	.361	201.5	.610	.908	51.50	168.97
	7/35	.018	.457	219.5	.664	.988	54.50	178.81
26	Solid Bare	.0159	.404	253.0	.769	1.144	40.80	133.86
	7/34	.019	.483	277.8	.841	1.251	37.30	122.38
	10/36	.021	.533	250.0	.757	1.126	41.50	136.16
	19/38	.020	.508	304.0	.920	1.369	34.40	112.87
24	Solid Bare	.0201	.511	404.0	1.223	1.820	25.70	84.32
	7/32	.024	.610	448.0	1.356	2.018	23.30	76.45
	10/34	.023	.582	396.9	1.201	1.787	26.10	85.63
	19/36	.024	.610	475.0	1.430	2.128	21.10	69.23
	41/40	.023	.584	394.0	1.160	1.726	25.60	83.99
	42/40	.023	.586	403.5	1.190	1.768	25.55	83.83
22	Solid Bare	.0253	.643	640.4	1.945	2.895	16.10	52.82
	7/30	.030	.762	700.0	2.120	3.155	16.40	53.79
	19/34	.031	.787	754.1	2.280	3.393	15.60	51.17
	26/36	.030	.762	650.0	1.970	2.932	15.90	52.17
20	Solid Bare	.032	.813	1020.0	3.092	4.602	10.20	33.47
	7/28	.038	.965	1111.3	3.470	5.163	10.00	32.81
	10/30	.035	.889	1000.0	3.025	4.502	10.30	33.79
	19/32	.037	.940	1216.0	3.680	5.476	8.60	28.22
	26/34	.036	.914	1031.9	3.129	4.643	10.10	33.14
	41/36	.036	.914	1025.0	3.100	4.613	10.00	32.81
18	Solid Bare	.0403	1.020	1620.0	4.917	7.318	6.39	20.97
	7/.0152	.046	1.168	1617.3	4.900	7.293	6.64	21.78
	7/26	.048	1.219	1769.6	5.360	7.976	5.86	19.23
	16/30	.047	1.194	1600.0	4.840	7.202	6.48	21.26
	19/30	.049	1.245	1900.0	5.750	8.557	5.46	17.91
	41/34	.047	1.194	1627.3	4.929	7.321	6.37	20.90
	65/36	.047	1.194	1625.0	4.919	7.307	6.39	20.96
16	Solid Bare	.0508	1.290	2583.0	7.818	11.633	4.02	13.19
	7/24	.060	1.524	2828.0	8.560	12.737	3.67	12.04
	19/.0117	.058	1.473	2426.3	8.100	12.053	4.18	13.71
	19/29	.058	1.473	2426.3	7.350	10.937	4.27	14.01
	26/30	.059	1.499	2600.0	7.870	11.712	4.00	13.12
	65/34	.059	1.499	2579.9	7.810	11.621	4.02	13.19
	105/36	.059	1.499	2625.0	7.950	11.829	3.99	13.09
14	Solid Bare	.0641	1.628	4107.0	12.430	18.496	2.53	8.00
	7/22	.073	1.854	4480.0	13.560	20.177	2.31	7.58
	19/.0147	.074	1.880	4105.7	13.100	19.493	2.62	8.72
	19/27	.073	1.854	3830.4	11.590	17.246	2.70	8.86
	41/30	.073	1.854	4100.0	12.400	18.451	2.53	8.30
	105/34	.075	1.905	4167.5	12.610	18.764	2.49	8.29
12	Solid Bare	.0808	2.052	6530.0	19.770	29.418	1.59	5.22
	7/20	.096	2.438	7168.0	21.690	32.275	1.45	4.76
	19/25	.093	2.362	6087.6	18.430	27.424	1.70	5.58
	65/30	.095	2.413	6500.0	19.660	29.254	1.75	5.74
	165/34	.095	2.413	6548.9	19.820	29.492	1.58	5.18
10	Solid Bare	.1019	2.588	10380.0	31.430	46.768	1.00	3.28
	37/26	.115	2.921	9353.6	28.300	42.110	1.11	3.64
	65/28	.120	3.048	10319.4	31.900	47.467	1.09	3.58
	105/30	.118	2.997	10500.0	31.800	47.318	.98	3.21

TECHNICAL INFORMATION

REEL SIZES AND CAPACITIES



- B Equals barrel diameter (inches)
- T Equals reel traverse (inches)
- U Equals unused portion of flange (inches)
- H Equals used portion of flange (inches)

How To Determine Spool or Reel Capacity

To calculate the approximate maximum cable length in feet that may be wound onto a given sized reel or spool, you must know the cable's diameter and determine the above reel dimensions. All dimensions must be in inches. Dimensions for shipping reels normally used by Quabbin Wire are listed in the table below.

Shipping Reels (Diameter")	U (inch)	H (inch)	B (inch)	T (inch)	Reel Factor
Plastic 10.5"	0.5	2.75	3.50	7.00	31.52
Plastic 10.5" (in box)	0.5	2.75	3.5	10.00	45.03
Plastic 12"	0.5	3.00	5.00	7.00	44.02
Plastic 12" (in box)	0.5	2.5	6.0	10.0	55.68
Plywood 12"	0.5	3.25	4.00	7.00	43.21
Plywood 14"	0.5	3.75	4.80	9.00	75.60
Plywood 16"	0.75	4.50	4.80	8.75	95.94
Plywood 20"	1.0	5.00	7.80	12.25	205.41
Plywood 24"	1.0	5.75	10.00	12.25	290.66
Plywood 30"	1.5	8.50	10.00	14.00	576.79
Wood 36"	1.5	10.25	11.80	18.00	1065.87
Wood 40"	1.5	12.00	11.75	17.75	1325.39

The "Reel or Spool Factor" for a given reel is calculated using the following equation:

$$\text{Factor} = (H + B) \times (H) \times (T) \times (0.262)$$

You may now calculate the approximate maximum length of cable in feet that will fit on that reel, by dividing the reel factor by the diameter of the cable (inches) squared.

$$\text{Length of Cable (ft)} = \text{Reel Factor} / (\text{Cable Diameter})^2$$

TECHNICAL INFORMATION

BELDEN CROSS REFERENCE CHART

BELDEN	QUABBIN	PAGE NO.	BELDEN	QUABBIN	PAGE NO.	BELDEN	QUABBIN	PAGE NO.
1192A	8490	4-F	8776	7425	10-C	9520	0260	12-C
1500R	9469	22-D	8777	7400	9-C	9521	0265	12-C
1500R	9489	22-D	8778	7405	10-C	9524	0270	12-C
1500R	9499	22-D	9154	4530	10-B	9525	8155	2-C
1624R	9468	14-D	9156	4145	16-C	9526	0275	12-C
7838A	9719	3-D	9157	4155	16-C	9527	0280	12-C
8205	6130	16-C	9159	4158	16-C	9533	8165	1-B
8437	7335	17-B	9316	0175	6-B	9534	8170	1-B
8441	7345	17-B	9318	0170	6-B	9535	8175	1-B
8442	7115	5-B	9320	0165	6-B	9536	8180	1-B
8443	7121	5-B	9322	0160	6-B	9537	8185	1-B
8445	7131	5-B	9363	0215	6-B	9538	8190	1-B
8450	7310	9-B	9364	0220	6-B	9539	8195	1-B
8451	7315	9-B	9365	0225	6-B	9540	8200	1-B
8456	7155	5-B	9366	0230	6-B	9541	8205	1-B
8457	7160	5-B	9402	6151	14-C	9542	8210	1-B
8458	7166	5-B	9407	0130	7-B	9543	8215	1-B
8461	4140	12-B	9408	0135	7-B	9544	8216	1-B
8465	4105	15-B	9409	0140	7-B	9545	8223	1-B
8466	4120	15-B	9410	0145	7-B	9546	8225	1-B
8467	4110	15-B	9418	4175	14-B	9552	0290	12-C
8468	4125	15-B	9421	7145	5-B	9553	0295	12-C
8469	4115	15-B	9423	7150	5-B	9554	0300	12-C
8471	3130	12-B	9430	7140	5-B	9556	0305	12-C
8473	2115	12-B	9431	7171	5-B	9559	0310	12-C
8489	4100	15-B	9439	6110	13-B	9563	0315	12-C
8618	3140	11-B	9444	6100	13-B	9565	0320	12-C
8619	4130	15-B	9445	6105	13-B	9574	4215	23-B
8627	2100	12-B	9451	4505	16-B	9578	4220	23-B
8628	2110	12-B	9455	6115	13-B	9597	4235	24-B
8641	8100	11-B	9457	6120	13-B	9598	4240	24-B
8690	4150	16-C	9458	6125	13-B	9623	2105	12-B
8691	4160	16-C	9460	4550	16-B	9626	4135	15-B
8718	1105	11-B	9462	4520	10-B	9740	4090	12-B
8719	3135	11-B	9464	4540	16-B	9740	4560	15-B
8720	2120	11-B	9491	0190	7-B	9744	7260	11-C
8722	6185	3-F	9492	0195	7-B	9745	7265	11-C
8723	7395	9-C	9493	0200	7-B	9746	7270	11-C
8724	7465	3-F	9494	0205	7-B	9747	7285	11-C
8730	7460	3-F	9501	8105	2-C	9748	7295	11-C
8735	7340	17-B	9502	8110	2-C	9749	7300	11-C
8747	7275	11-C	9503	8115	2-C	9750	6135	16-C
8748	7280	11-C	9504	8120	2-C	9751	6136	16-C
8749	7290	11-C	9505	8125	2-C	9752	6137	16-C
8750	7305	11-C	9506	8130	2-C	9755	6138	16-C
8760	4165	11-B	9507	8135	2-C	9767	7445	10-C
8761	7320	11-B	9508	8138	2-C	9768	7420	10-C
8762	6140	11-B	9509	8140	2-C	9769	7430	10-C
8769	7435	10-C	9510	8141	2-C	9773	4185	15-C
8770	4170	11-B	9512	0240	12-C	9774	4190	15-C
8771	7325	11-B	9513	0245	12-C	9775	4195	15-C
8772	6145	11-B	9514	0250	12-C	9776	4200	15-C
8773	7440	10-C	9515	8145	2-C	9777	4205	15-C
8774	7410	10-C	9516	0255	12-C	9802	6183	13-C
8775	7415	10-C	9519	8150	2-C	9804	9504	1-C

The above cross reference list should be used as a guide only.
 Please refer to the appropriate catalog page for detailed construction information.

TECHNICAL INFORMATION

BELDEN CROSS REFERENCE CHART

BELDEN	QUABBIN	PAGE NO.	BELDEN	QUABBIN	PAGE NO.	BELDEN	QUABBIN	PAGE NO.
9805	9506	1-C						
9806	9508	1-C						
9807	9510	1-C						
9808	9514	1-C						
9809	9518	1-C						
9812	9524	1-C						
9813	9526	1-C						
9825	9550	1-C						
9873	6155	15-C						
9874	6160	15-C						
9875	6165	15-C						
9876	6166	15-C						
9877	6167	15-C						
9879	6169	15-C						
9883	6170	13-C						
9886	6175	13-C						
9925	8663	2-B						
9927	8664	2-B						
9929	8665	2-B						
9931	8666	2-B						
9932	8667	2-B						
9933	8668	2-B						
9934	8669	2-B						
9935	8670	2-B						
9939	7600	4-B						
9940	7605	4-B						
9941	7610	4-B						
9942	7615	4-B						
9943	7620	4-B						
9944	7625	4-B						
9945	7630	4-B						
9946	7635	4-B						
9947	7640	4-B						
9948	7645	4-B						
9949	7650	4-B						
9950	7655	4-B						

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