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Evolução sempre.

4

Paired Cables

Table of Contents

Introduction

The cables listed in this section are specially designed for data transmission applications that require higher data speeds than usual multi-conductor applications. There are many options available that combine different jacketing materials, dimensions, insulation materials, gage sizes, and shielding configurations. Almost all cables cataloged here are available from stock or off-the-shelf from distributors. For custom applications with special technical requirements, please contact our support at www.innovcable.com.br/contato.htm. Other paired cable features and/or benefits include:

- UnRoll® cable dispenser (available only for cables with a letter "U" preceding the standard length) - a special packaging system that eliminates the need for dereeling equipment, saving labor, time and costs;
- Balanced signal transmission, with lower crosstalk;
- Improved noise immunity of twisted pairs.

Comments:

In the table's headers of this section, when referring to nominal capacitance, please consider the following definitions:

* Capacitance between conductors.

** Capacitance between one conductor and other conductors connected to shield.

When referring to color code, please see charts at the last page.

Unshielded

Telephone Cables

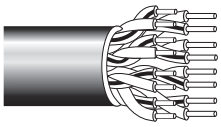
Audio, Control and Instrumentation Cables

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	mm	Inch	mm	Inch	* pF/m	* pF/Ft.	** pF/m	** pF/Ft.

24 AWG Solid Conductors • Tinned Copper • Twisted Pairs

PVC Insulation • Chrome PVC Jacket

UL AWM Style 2576 (150V 80°C)

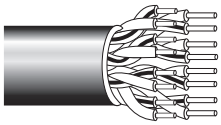


Part No.	No. of Pairs	Color Code	Standard Lengths m	Standard Lengths Ft.	Standard Unit Weight kg	Standard Unit Weight Lbs.	Insulation Thickness mm	Insulation Thickness Inch	Jacket Thickness mm	Jacket Thickness Inch	Nominal OD mm	Nominal OD Inch
400001	2	See Chart 2	U-152.4 152.4 U-304.8 304.8	U-500 500 U-1000 1000	4.5 5.0 9.1 9.5	10.0 11.0 20.0 21.0	.25	.010	.81	.032	5.05	.199
400002	6	See Chart 2	U-152.4 152.4 U-304.8 304.8	U-500 500 U-1000 1000	10.0 10.2 19.5 20.5	22.0 22.5 43.0 45.0	.25	.010	.81	.032	7.34	.289
400003	10	See Chart 2	152.4 304.8	500 1000	13.9 28.6	30.5 63.0	.25	.010	.89	.035	7.87	.310
400004	25	See Chart 2	152.4 304.8	500 1000	33.6 65.5	74.0 144.0	.25	.010	1.02	.040	12.19	.480

22 AWG Solid Conductors • Tinned Copper • Twisted Pairs

PVC Insulation • Chrome PVC Jacket

UL AWM Style 2576 (150V 80°C)



Part No.	No. of Pairs	Color Code	Standard Lengths m	Standard Lengths Ft.	Standard Unit Weight kg	Standard Unit Weight Lbs.	Insulation Thickness mm	Insulation Thickness Inch	Jacket Thickness mm	Jacket Thickness Inch	Nominal OD mm	Nominal OD Inch	
400005	1	See Chart 1	U-152.4 U-304.8	U-500 U-1000	3.2 5.9	7.0 13.0	.25	.010	.81	.032	3.96	.156	
400006	2	See Chart 1	U-152.4 U-304.8 304.8	U-500 U-1000 1000	5.9 11.8 11.4	13.0 26.0 25.0	.25	.010	.81	.032	5.84	.230	For stranded conductor Plenum versions of 400006, see 400022, 400309, 400025 or 400312.
400007	3	See Chart 1	152.4 U-304.8 304.8	500 U-1000 1000	7.7 14.5 14.5	17.0 32.0 32.0	.25	.010	.81	.032	6.15	.242	For stranded conductor Plenum versions of 400007, see 400026 or 400313.
400008	4	See Chart 1	152.4 U-304.8 304.8	500 U-1000 1000	9.1 17.7 18.2	20.0 39.0 40.0	.25	.010	.81	.032	6.71	.264	For stranded conductor Plenum versions of 400008, see 400023, 400310, 400027 or 400314.
400009	6	See Chart 1	U-152.4 U-304.8 304.8	U-500 U-1000 1000	12.3 23.6 24.1	27.0 52.0 53.0	.25	.010	.81	.032	7.44	.293	For stranded conductor Plenum versions of 400009 , see 400028 or 400315.
400010	8	See Chart 1	152.4 304.8	500 1000	15.7 32.3	34.5 71.0	.25	.010	.89	.035	8.20	.323	
400011	9	See Chart 1	304.8	1000	35.9	79.0	.25	.010	.89	.035	8.89	.350	

Unshielded

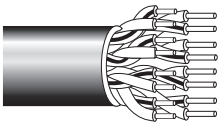
Audio, Control and Instrumentation Cables

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	mm	Inch	mm	Inch	* pF/m	* pF/Ft.	** pF/m	** pF/Ft.

22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pairs

PVC Insulation • Chrome PVC Jacket

UL AWM Style 2576
(150V 80°C)



Part No.	No. of Pairs	Color Code	Standard Lengths m	Standard Lengths Ft.	Standard Unit Weight kg	Standard Unit Weight Lbs.	Insulation Thickness mm	Insulation Thickness Inch	Jacket Thickness mm	Jacket Thickness Inch	Nominal OD mm	Nominal OD Inch
400012	2	See Chart 1	U-152.4 152.4 U-304.8 304.8	U-500 500 U-1000 1000	6.1 6.4 11.8 12.3	13.5 14.0 26.0 27.0	.25	.010	.81	.032	6.20	.244
400013	3	See Chart 1	U-152.4 152.4 U-304.8 304.8	U-500 500 U-1000 1000	8.0 8.2 15.9 16.4	17.5 18.0 35.0 36.0	.25	.010	.81	.032	6.53	.257
400014	4	See Chart 1	152.4 304.8	500 1000	9.8 19.1	21.5 42.0	.25	.010	.81	.032	7.14	.281
400015	6	See Chart 1	30.5 152.4 304.8	100 500 1000	2.8 13.2 26.8	6.2 29.0 59.0	.25	.010	.89	.035	8.13	.320
400016	9	See Chart 1	30.5 152.4 304.8	100 500 1000	3.9 19.8 38.2	8.6 43.5 84.0	.25	.010	.94	.037	9.88	.389
400017	12	See Chart 1	30.5 152.4 304.8	100 500 1000	5.3 25.0 49.5	11.7 55.0 109.0	.25	.010	1.02	.040	10.80	.425
400018	15	See Chart 1	152.4 304.8	500 1000	29.1 56.4	64.0 124.0	.25	.010	1.02	.040	11.18	.440
400019	19	See Chart 1	152.4 304.8	500 1000	37.0 72.3	81.5 159.0	.25	.010	1.02	.040	12.83	.505
400020	27	See Chart 1	152.4 304.8	500† 1000†	50.9 100.5	112.0 221.0	.25	.010	1.14	.045	14.61	.575

† Spools are one piece, but length may vary -0% to +20% from length shown.

Unshielded

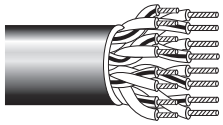
Audio, Control and Instrumentation Cables
Plenum-Rated

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	mm	Inch	mm	Inch	* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pairs																	
Plenum • FEP Insulation • Red FEP Jacket																	
300V RMS, Non-conduit 	**400021**	1	Black & Red	30.5 152.4 304.8	100 500† 1000†	1.0 2.5 4.5	2.3 5.5 10.0	.15	.006	.30	.012	2.59	.102				
	400022	2	Black & Red, Black & White	152.4 304.8	500† 1000†	4.3 9.5	9.5 21.0	.15	.006	.30	.012	4.29	.169				
	400023	4	Black & Red, Black & White, Black & Green, Black & Blue	152.4 304.8	500† 1000†	7.3 15.0	16.0 33.0	.15	.006	.23	.019	5.08	.200				
Plenum • FEP Insulation • Natural Enerflame® Jacket																	
300V RMS, Non-conduit 	**400024**	1	Black & Red	U-304.8 304.8	U-1000† 1000†	37.7 38.2	83.0 84.0	.15	.006	.36	.014	2.84	.112				
	400025	2	Black & Red, Black & White	U-304.8 304.8	U-1000† 1000†	8.2 9.5	18.0 21.0	.15	.006	.36	.014	4.55	.179				
	400026	3	Black & Red, Black & White, Black & Green	U-304.8 304.8	U-1000† 1000†	10.9 12.7	24.0 28.0	.15	.006	.36	.014	4.85	.191				
	400027	4	Black & Red, Black & White, Black & Green, Black & Blue	U-304.8 304.8	U-1000 1000†	14.1 15.5	31.0 34.0	.15	.006	.36	.014	5.33	.210				
	400028	6	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown	U-304.8 304.8	U-1000† 1000†	20.0 20.5	44.0 45.0	.15	.006	.36	.014	6.02	.237				

† Spools and/or UnRoll® cartons are one piece, but length may vary ±10% for spools and ±5% for UnRoll from length shown.

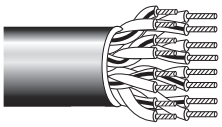
Unshielded

Audio, Control and Instrumentation Cables

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	mm	Inch	mm	Inch	* pF/ m	* pF/ Ft.	** pF/ m	** pF/ Ft.
20 AWG Stranded Conductors (7x28) • Tinned Copper • Twisted Pairs																	
PVC Insulation • Chrome PVC Jacket																	
300V RMS 	**400029**	1	See Chart 1	30.5 U-152.4 152.4 U-304.8 304.8	100 U-500 500 U-1000 1000	1.1 4.1 4.1 7.7 8.2	2.5 9.0 9.0 17.0 18.0	.33	.013	.64	.025	4.57	.180				
UL AWM Style 2464 (300V 80°C) 	**400030**	3	See Chart 1	152.4 304.8	500 1000	11.6 22.7	25.5 50.0	.33	.013	.89	.035	7.59	.299				
	400031	6	See Chart 1	30.5 152.4 304.8	100 500 1000	4.1 20.5 40.5	9.1 45.0 89.0	.33	.013	.89	.035	9.30	.366				
	400032	9	See Chart 1	30.5 152.4 304.8	100 500 1000	6.0 29.8 56.8	13.2 65.5 125.0	.33	.013	.89	.035	10.90	.429				
	400033	15	See Chart 1	30.5 304.8	100 1000	9.1 88.2	19.9 194.0	.33	.013	1.02	.040	13.84	.545				
19 AWG Solid Conductors • Bare Copper • Twisted Pair																	
PVC Insulation • Chrome PVC Jacket																	
300V RMS 	**400034**	1	Brown, Tan	U-152.4 U-304.8 304.8	U-500 U-1000 1000	4.3 8.2 8.6	9.5 18.0 19.0	.38	.015	.64	.025	4.62	.182				
18 AWG Stranded Conductors (7x26) • Tinned Copper • Twisted Pair																	
PVC Insulation • Chrome PVC Jacket																	
300V RMS 	**400035**	1	Black, White	30.5 U-152.4 152.4 U-304.8 304.8	100 U-500 500 U-1000 1000	1.7 6.4 6.4 12.7 12.7	3.8 14.0 14.0 28.0 28.0	.56	.022	.71	.028	5.94	.234				

Unshielded

Audio, Control and Instrumentation Cables

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	mm	Inch	mm	Inch	* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
18 AWG Stranded Conductors (16x30) • Tinned Copper • Twisted Pairs																	
PVC Insulation • Chrome PVC Jacket																	
UL AWM Style 2464 (300V 80°C) 	**400036**	1	See Chart 1	U-152.4 152.4 U-304.8 304.8	U-500 500 U-1000 1000	5.7 5.9 11.4 10.9	12.5 13.0 25.0 24.0	.36	.014	.81	.032	5.33	.210				
										For Plenum versions of 400036, see 400047, 400316, 400048, 400317, 400049 or 400318.							
	400037	2	See Chart 1	U-152.4 152.4 U-304.8 304.8	U-500 500 U-1000 1000	11.8 11.8 23.2 23.2	26.0 26.0 51.0 51.0	.36	.014	.89	.035	8.46	.333				
	400038	3	See Chart 1	30.5 U-152.4 152.4 304.8	100 U-500 500 1000	3.1 14.8 15.2 29.1	6.9 32.5 33.5 64.0	.36	.014	.81	.032	8.81	.347				
	400039	4	See Chart 1	30.5 152.4 304.8	100 500 1000	3.8 19.5 37.7	8.4 43.0 83.0	.36	.014	.81	.032	9.68	.381				
	400040	5	See Chart 1	152.4 304.8	500 1000	22.7 45.0	50.0 99.0	.36	.014	.81	.032	9.93	.391				
	400041	6	See Chart 1	152.4 304.8	500 1000	26.4 52.3	58.0 115.0	.36	.014	.81	.032	11.00	.433				
	400042	8	See Chart 1	30.5 152.4 304.8	100 500 1000	7.2 35.6 69.3	15.8 78.0 152.0	.36	.014	.94	.037	12.07	.475				
	400043	9	See Chart 1	152.4 304.8	500 1000	39.5 77.3	87.0 170.0	.36	.014	1.02	.040	13.31	.524				
	400044	12	See Chart 1	30.5 304.8	100 1000	11.7 101.4	25.7 223.0	.36	.014	1.17	.046	15.24	.600				
	400045	15	See Chart 1	30.5 152.4 304.8	100 500 1000	14.0 67.5 133.6	30.9 148.5 294.0	.36	.014	1.30	.051	17.20	.677				
	400046	19	See Chart 1	30.5 152.4 304.8	100 500 1000	16.8 81.4 161.4	37.0 179.0 355.0	.36	.014	1.40	.055	18.31	.721				

Unshielded

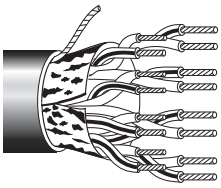
Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	mm	Inch	mm	Inch	* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
18 AWG Stranded Conductors (19x30) • Tinned Copper • Twisted Pair																	
Plenum • FEP Insulation • Red FEP Jacket																	
300V RMS, Non-conduit	**400047**	1	Black, Red	30.5 152.4 304.8	100 500† 1000†	1.4 4.1 7.7	3.0 9.0 17.0	.17	.006	.23	.009	3.45	.136				
																	
Plenum • FEP Insulation • Red Fluorocopolymer Jacket																	
300V RMS, Non-conduit	**400048**	1	Black, Red	152.4 304.8	500† 1000†	4.1 7.7	9.0 17.0	.17	.006	.28	.011	3.56	.140				
																	
Plenum • FEP Insulation • Natural Enerflame® Jacket																	
300V RMS, Non-conduit	**400049**	1	Black, Red	U-304.8 304.8	U-1000 1000†	7.7 8.2	17.0 18.0	.17	.006	.36	.014	3.71	.146				
																	
16 AWG Stranded Conductors (19x29) • Tinned Copper • Twisted Pair																	
PVC Insulation • Chrome PVC Jacket																	
UL AWM Style 2598 (300V 60°C)	**400050**	1	Black, White	U-152.4 152.4 304.8	U-500 500 1000	13.4 13.9 26.4	29.5 30.5 58.0	.79	.031	.81	.032	8.64	.340				
																	
14 AWG Stranded Conductors (42x30) • Tinned Copper • Twisted Pair																	
PVC Insulation • Chrome PVC Jacket																	
UL AWM Style 2587 (600V 90°C)	**400051**	1	Black, White	U-152.4 152.4 304.8	U-500 500 1000	13.4 13.9 26.4	29.5 30.5 58.0	.79	.031	.81	.032	8.64	.340				
																	
See NEC Guidelines for applicable CL3 voltage ratings.																	
12 AWG Stranded Conductors (65x30) • Tinned Copper • Twisted Pair																	
PVC Insulation • Chrome PVC Jacket																	
UL AWM Style 2587 (600V 90°C)	**400052**	1	Black, White	U-152.4 152.4 304.8	U-500 500 1000	19.1 19.1 37.7	42.0 42.0 83.0	.81	.032	.89	.035	9.80	.386				
																	
See NEC Guidelines for applicable CL3 voltage ratings.																	

† Spools are one piece, but length may vary ±10% from length shown.

Overall Enerfoil® Shield

High-Temperature Control and Instrumentation Cables

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	mm	Inch	mm	Inch	* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
20 AWG Stranded Conductors (7x28) • Tinned Copper • Pairs Cabled Together • Overall 100% Enerfoil Aluminum-Enerton® Shield • Drain Wire																	
Enertef® Insulation • Clear Enertef Material Jacket																	
High-Temperature 300V RMS, 150°C VW-1 	**400053**	4	Black & Red, Black & White, Black & Green, Black & Blue	30.5 152.4 304.8	100 500† 1000†	3.8 16.8 32.3	8.4 37.0 71.0	.38	.015	.64	.025	8.74	.344	75	23	131	40
	400054	8	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown, Black & Orange, Red & White	30.5 152.4 304.8	100 500† 1000†	6.1 28.2 57.3	13.5 62.0 126.0	.38	.015	.64	.025	11.15	.439	75	23	131	40

† Spools are one piece, but length may vary ±10% from length shown.

Enertef and Enerton are Innovcable trademarks.

Overall Enerfoil® Shield

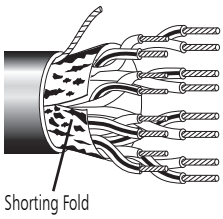
Computer Cables for EIA RS-232 Applications

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/ m	* pF/ Ft.	** pF/ m	** pF/ Ft.

24 AWG Stranded Conductors (7x32) • Tinned Copper • Twisted Pairs • Overall 100% Enerfoil Shield • 24 AWG Stranded TC Drain Wire

Semi-rigid PVC Insulation • Chrome PVC Jacket

UL AWM Style 2464
(300V 80°C)
CSA AWM I A



Shorting Fold

Part No.	No. of Pairs	Color Code	m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.	Nom. Imp. (Ω)	Nom. Vel. of Prop.	* pF/ m	* pF/ Ft.	** pF/ m	** pF/ Ft.
400055	1	See Chart 1	30.5	100	1.0	2.1	3.96	.156	18.0 Ω/M′ 59.1 Ω/km	24.0 Ω/M′ 78.7 Ω/km	75	60%	131	40	243	74
			U-152.4	U-500	3.4	7.5										
			152.4	500	3.2	7.0										
			U-304.8	U-1000	6.4	14.0										
			304.8	1000	6.4	14.0										
									For Plenum versions of 400055, see 400070 or 400324.							
400056	2	See Chart 1	30.5	100	1.7	3.7	5.64	.222	17.0 Ω/M′ 55.8 Ω/km	24.0 Ω/M′ 78.7 Ω/km	75	60%	98	30	164	50
			U-152.4	U-500	6.6	14.5										
			152.4	500	6.8	15.0										
			U-304.8	U-1000	12.7	28.0										
			304.8	1000	13.2	29.0										
			3048.0	10000	131.8	290.0										
									For Plenum versions of 400056, see 400077, 400320, 400325 or 400071.							
400057	3	See Chart 1	30.5	100	1.8	3.9	5.89	.232	17.0 Ω/M′ 55.8 Ω/km	24.0 Ω/M′ 78.7 Ω/km	75	60%	98	30	164	50
			U-152.4	U-500	6.6	14.5										
			152.4	500	6.8	15.0										
			U-304.8	U-1000	13.2	29.0										
			304.8	1000	13.2	29.0										
									For Plenum versions of 400057, see 400078, 400321, 400072 or 400326.							
400058	4	See Chart 1	30.5	100	2.0	4.5	6.73	.265	17.0 Ω/M′ 55.8 Ω/km	24.0 Ω/M′ 78.7 Ω/km	75	60%	98	30	164	50
			U-152.4	U-500	8.0	17.5										
			152.4	500	8.2	18.0										
			U-304.8	U-1000	15.9	35.0										
			304.8	1000	15.9	35.0										
									For Plenum versions of 400058, see 400079, 400322, 400073 or 400327.							
400059	5	See Chart 1	30.5	100	2.5	5.5	7.34	.289	17.0 Ω/M′ 55.8 Ω/km	24.0 Ω/M′ 78.7 Ω/km	75	60%	98	30	164	50
			U-152.4	U-500	10.0	22.0										
			152.4	500	10.2	22.5										
			U-304.8	U-1000	19.5	43.0										
			304.8	1000	20.0	44.0										

DCR = DC Resistance • TC = Tinned Copper

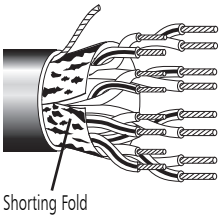
Overall Enerfoil® Shield

Computer Cables for EIA RS-232 Applications

24 AWG Stranded (7x32) • Tinned Copper • Twisted Pairs • Overall 100% Enerfoil Shield • 24 AWG Stranded TC Drain Wire (continued)

Semi-rigid PVC Insulation • Chrome PVC Jacket

UL AWM Style 2464
(300V 80°C)
CSA AWM I A



Shorting Fold

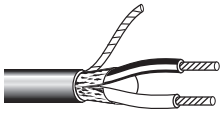
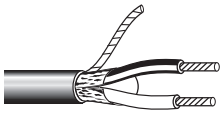
Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
	400060	6	See Chart 1	30.5 U-152.4 152.4 U-304.8 304.8	100 U-500 500 U-1000 1000	2.6 10.7 10.9 21.4 21.4	5.8 23.5 24.0 47.0 47.0	7.34	.289	16.0 Ω/M′ 52.5 Ω/km	24.0 Ω/M′ 78.7 Ω/km	75	60%	98	30	164	50
										For Plenum versions of 400060, see 400074 or 400328.							
	400061	7	See Chart 1	30.5 U-152.4 152.4 U-304.8 304.8	100 U-500 500 U-1000 1000	2.9 11.8 12.0 23.2 23.6	6.3 26.0 26.5 51.0 52.0	7.47	.294	16.5 Ω/M′ 54.1 Ω/km	24.0 Ω/M′ 78.7 Ω/km	75	60%	98	30	164	50
	400062	8	See Chart 1	30.5 152.4 304.8	100 500 1000	2.9 13.6 27.7	6.4 30.0 61.0	8.23	.324	16.5 Ω/M′ 54.1 Ω/km	24.0 Ω/M′ 78.7 Ω/km	75	60%	98	30	164	50
	400063	9	See Chart 1	30.5 152.4 304.8	100 500 1000	3.2 15.0 31.4	7.0 33.0 69.0	8.48	.334	16.5 Ω/M′ 54.1 Ω/km	24.0 Ω/M′ 78.7 Ω/km	75	60%	98	30	164	50
										For Plenum versions of 400063, see 400075 or 400329.							
	400064	10	See Chart 1	30.5 152.4 304.8	100 500 1000	3.5 17.7 34.1	7.6 39.0 75.0	9.34	.368	16.5 Ω/M′ 54.1 Ω/km	24.0 Ω/M′ 78.7 Ω/km	75	60%	98	30	164	50
	400065	15	See Chart 1	30.5 152.4 304.8	100 500 1000	4.7 23.6 46.4	10.4 52.0 102.0	10.6	.417	16.5 Ω/M′ 54.1 Ω/km	24.0 Ω/M′ 78.7 Ω/km	75	60%	98	30	164	50
	400066	19	See Chart 1	30.5 152.4 304.8	100 500 1000	5.9 28.0 55.5	12.9 61.5 122.0	11.4	.448	16.5 Ω/M′ 54.1 Ω/km	24.0 Ω/M′ 78.7 Ω/km	75	60%	98	30	164	50
	400067	25	See Chart 1	30.5 152.4 304.8	100 500 1000	7.4 36.6 70.9	16.2 80.5 156.0	12.8	.503	16.5 Ω/M′ 54.1 Ω/km	24.0 Ω/M′ 78.7 Ω/km	75	60%	98	30	164	50
	400068	50	Request Technical Support	30.5 152.4 304.8	100 500† 1000†	14.0 69.8 141.4	30.9 153.5 311.0	18.0	.708	15.2 Ω/M′ 49.9 Ω/km	24.0 Ω/M′ 78.7 Ω/km	75	60%	98	30	164	50

DCR = DC Resistance • TC = Tinned Copper
† Spools are one piece, but length may vary -0% to +20% from length shown.

Overall Enerfoil® Shield

Computer Cables for EIA RS-232 Applications

Plenum-Rated

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	mm	Inch	mm	Inch	* pF/ m	* pF/ Ft.	** pF/ m	** pF/ Ft.
24 AWG Stranded Conductors (7x32) • Tinned Copper • Twisted Pairs • Overall 100% Enerfoil Shield • 24 AWG Stranded TC Drain Wire																	
Plenum • FEP Insulation • Natural Enerflame® Jacket																	
300V RMS, Non-conduit 	**400069**	1	Black, Red	U-304.8 304.8	U-1000† 1000†	4.1 4.5	9.0 10.0	.15	.006	.36	.014	2.69	.106	102	31	194	59
	400070	2	Black & White, Black & Red	U-152.4 U-304.8 304.8	U-500† U-1000† 1000†	3.6 6.8 7.3	8.0 15.0 16.0	.15	.006	.36	.014	4.11	.162	82	25	148	45
	400071	3	Black & White, Black & Red, Black & Green	U-304.8 304.8	U-1000† 1000†	8.6 9.1	19.0 20.0	.15	.006	.36	.014	4.29	.169	82	25	148	45
	400072	4	Black & White, Black & Red, Black & Green, Black & Blue	U-304.8 304.8	U-1000† 1000†	10.9 12.3	24.0 27.0	.15	.006	.36	.014	4.90	.193	82	25	148	45
	400073	5	See Chart 1	U-304.8 304.8	U-1000† 1000†	13.6 15.0	30.0 33.0	.15	.006	.38	.015	4.98	.196	82	25	148	45
	400074	6	See Chart 1	U-152.4 U-304.8 304.8	U-500† U-1000† 1000†	8.0 15.5 16.8	17.5 34.0 37.0	.15	.006	.38	.015	5.31	.209	82	25	148	45
	400075	9	See Chart 1	304.8	1000†	22.3	49.0	.15	.006	.38	.015	6.25	.246	75	23	138	42
Plenum • FEP Insulation • Red FEP Jacket																	
300V RMS, Non-conduit 	**400076**	1	Black, Red	30.5 152.4 304.8	100 500† 1000†	1.1 2.7 5.0	2.4 6.0 11.0	.15	.006	.36	.014	2.69	.106	102	31	194	59
	400077	3	Black & White, Black & Red, Black & Green	30.5 152.4 304.8	100 500† 1000†	1.8 5.5 10.5	4.0 12.0 23.0	.15	.006	.36	.014	4.45	.175	69	21.0	131	40
	400078	4	Black & White, Black & Red, Black & Green, Black & Blue	152.4 304.8	500† 1000†	6.6 14.1	14.5 31.0	.15	.006	.014	.36	4.88	192	69	21	131	131
	400079	5	Black & White, Black & Red, Black & Green, Black & Blue, Black & Yellow	30.5 304.8	100 1000†	2.2 15.9	4.9 35.0	.15	.006	.36	.014	5.00	.197	69	21	131	40

TC = Tinned Copper

† Spools and/or UnRoll® cartons are one piece, but length may vary ±10% for spools and ±5% for UnRoll from length shown.

Overall Enerfoil® Shield

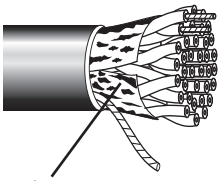
Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-485 Applications

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/m	* pF/Ft.	** pF/m	** pF/Ft.

28 AWG Stranded Conductors (7x36) • Tinned Copper • Twisted Pairs • Overall 100% Enerfoil Shield • 28 AWG Stranded TC Drain Wire

Enerlene® Insulation • Chrome PVC Jacket

UL AWM Style 2919 (30V 80°C)



Enerfold®

Part No.	No. of Pairs	Color Code	m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.	Nom. Imp. (Ω)	Nom. Vel. of Prop.	* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
400080	2	See Chart 3	152.4 304.8	500 1000	4.8 9.1	10.5 20.0	5.46	.215	23.1 Ω/M′ 75.8 Ω/km	65.0 Ω/M′ 213.0 Ω/km	120	78%	36.1	11.0	65.6	20.0
400081	3	See Chart 3	152.4 304.8	500 1000	5.9 11.8	13.0 26.0	6.35	.250	23.1 Ω/M′ 75.8 Ω/km	65.0 Ω/M′ 213.0 Ω/km	120	78%	36.1	11.0	65.6	20.0
400082	4	See Chart 3	152.4 304.8	500 1000	7.5 14.1	16.5 31.0	6.86	.270	20.0 Ω/M′ 65.6 Ω/km	65.0 Ω/M′ 213.0 Ω/km	120	78%	36.1	11.0	65.6	20.0
400083	5	See Chart 3	152.4 304.8	500 1000	7.7 14.5	17.0 32.0	7.11	.280	20.0 Ω/M′ 65.6 Ω/km	65.0 Ω/M′ 213.0 Ω/km	120	78%	36.1	11.0	65.6	20.0
400084	8	See Chart 3	152.4 304.8	500 1000	10.0 19.1	22.0 42.0	7.88	.310	17.7 Ω/M′ 58.1 Ω/km	65.0 Ω/M′ 213.0 Ω/km	120	78%	36.1	11.0	65.6	20.0
400085	12.5 (12 pairs +1 single)	See Chart 3	152.4 304.8	500 1000	12.5 24.5	27.5 54.0	9.78	.385	17.7 Ω/M′ 58.1 Ω/km	65.0 Ω/M′ 213.0 Ω/km	120	78%	36.1	11.0	65.6	20.0
400086	18	See Chart 3	152.4 304.8	500 1000	17.5 34.1	38.5 75.0	11.31	.445	15.8 Ω/M′ 51.8 Ω/km	65.0 Ω/M′ 213.0 Ω/km	120	78%	36.1	11.0	65.6	20.0
400087	25	See Chart 3	152.4 304.8	500 1000	19.1 36.4	42.0 80.0	13.85	.545	14.3 Ω/M′ 4.7 Ω/km	65.0 Ω/M′ 213.0 Ω/km	120	78%	36.1	11.0	65.6	20.0

DCR = DC Resistance • TC = Tinned Copper

Enerlene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

Overall Enerfoil® Shield

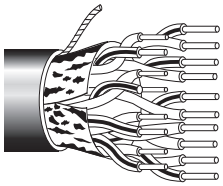
Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-422 Applications

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/ m	* pF/ Ft.	** pF/ m	** pF/ Ft.

24 AWG Stranded Conductors (7x32) • Tinned Copper • Twisted Pairs • Overall 100% Enerfoil Shield • 24 AWG Stranded TC Drain Wire

Polyethylene Insulation • Chrome PVC Jacket

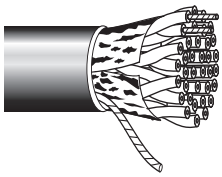
UL AWM Style 2919 (30V 80°C)



Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
			m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/ m	* pF/ Ft.	** pF/ m	** pF/ Ft.
400088	3	See Chart 3	152.4 304.8	500 1000	8.6 17.3	19.0 38.0	7.16	.282	14.4 Ω/M′ 47.2 Ω/km	24.0 Ω/M′ 78.7 Ω/km	100	66%	50.8	15.5	90.2	27.5
400089	4	See Chart 3	152.4 304.8	500 1000	10.2 20.5	22.5 45.0	7.80	.307	14.4 Ω/M′ 47.2 Ω/km	24.0 Ω/M′ 78.7 Ω/km	100	66%	50.8	15.5	90.2	27.5
400090	6	See Chart 3	152.4 304.8	500 1000	13.4 25.5	29.5 56.0	8.69	.342	13.1 Ω/M′ 43.0 Ω/km	24.0 Ω/M′ 78.7 Ω/km	100	66%	50.8	15.5	90.2	27.5
400091	9	See Chart 3	152.4 304.8	500 1000	18.2 35.9	40.0 79.0	10.10	.397	12.0 Ω/M′ 39.4 Ω/km	24.0 Ω/M′ 78.7 Ω/km	100	66%	50.8	15.5	90.2	27.5
400092	12.5 (12 pairs + 1 single)	See Chart 3	152.4 304.8	500 1000	22.6 44.1	49.5 97.0	11.30	.445	12.0 Ω/M′ 39.4 Ω/km	24.0 Ω/M′ 78.7 Ω/km	100	66%	50.8	15.5	90.2	27.5

Enerlene® Insulation • Chrome PVC Jacket

UL AWM Style 2919 (30V 80°C)



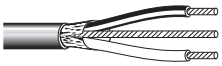
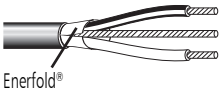
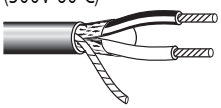
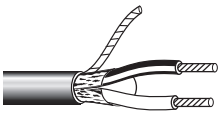
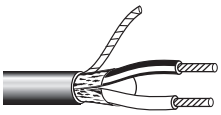
Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
			m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/ m	* pF/ Ft.	** pF/ m	** pF/ Ft.
400093	2	See Chart 3	152.4 304.8 3048.0	500 1000 10000	7.0 13.6 140.9	15.5 30.0 310.0	6.30	.248	15.1 Ω/M′ 49.5 Ω/km	24.0 Ω/M 78.7 Ω/km	100	78%	42.7	13	72	22
400094	3	See Chart 3	152.4 304.8 3048.0	500 1000 10000	7.7 15.5 154.5	17.0 34.0 340.0	6.63	.261	15.1 Ω/M′ 49.5 Ω/km	24.0 Ω/M′ 78.7 Ω/km	100	78%	42.7	13	72	22
400095	4	See Chart 3	152.4 304.8	500 1000	8.4 16.8	18.5 37.0	7.11	.280	14.4 Ω/M′ 47.2 Ω/km	24.0 Ω/M′ 78.7 Ω/km	100	78%	42.7	13	72	22
400096	5	See Chart 3	152.4 304.8	500 1000	10.5 19.5	23.0 43.0	7.47	.294	14.4 Ω/M′ 47.2 Ω/km	24.0 Ω/M′ 78.7 Ω/km	100	78%	42.7	13	72	22
400097	6	See Chart 3	152.4 304.8 3048.0	500 1000 10000	11.4 21.8 227.3	25.0 48.0 500.0	8.10	.319	13.0 Ω/M′ 42.7 Ω/km	24.0 Ω/M′ 78.7 Ω/km	100	78%	42.7	13	72	22
400098	12.5 (12 pairs + 1 single)	See Chart 3	152.4 304.8	500 1000	19.1 37.7	42.0 83.0	10.62	.418	13.0 Ω/M′ 42.7 Ω/km	24.0 Ω/M′ 78.7 Ω/km	100	78%	42.7	13	72	22
400099	15	See Chart 3	152.4 304.8	500 1000	24.1 45.0	53.0 99.0	12.01	.473	11.2 Ω/M′ 36.7 Ω/km	24.0 Ω/M′ 78.7 Ω/km	100	78%	42.7	13	72	22

DCR = DC Resistance • TC = Tinned Copper

Enerlene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

Overall Enerfoil® Shield

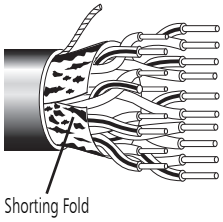
Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	mm	Inch	mm	Inch	* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
24 AWG Stranded Conductors (7x32) • Tinned Copper • Twisted Pair • Overall 100% Enerfoil Shield** • 24 AWG Stranded TC Drain Wire																	
Polyolefin Insulation • Black Matte PVC Jacket																	
High-Flex 300V RMS	**400100**	1	Black, Red	152.4 304.8	500 1000	2.5 5.5	5.5 12.0	.20	.008	.61	.024	3.33	.131	102	31	190	58
																	
Jacket and shield are bonded so both can be removed with automatic stripping equipment.																	
Polypropylene Insulation • Gray PVC Jacket																	
300V RMS	**400101**	1	Black, Red	U-304.8 304.8	U-1000* 1000	5.5 5.5	12.0 12.0	.20	.008	.51	.51	3.12	.123	102	31	190	58
 Enerfold®																	
* U-1000 ft.put-up also available in Brown,Red,Orange,Yellow,Green,Blue,Violet,White or Black. Jacket and shield are bonded so both can be removed with automatic stripping equipment.																	
Polyethylene Insulation • Chrome PVC Jacket																	
UL AWM Style 2092 (300V 60°C)	**400102**	1	Black, Clear	30.5 U-152.4 152.4 U-304.8 304.8 609.6	100 U-500 500 U-1000 1000 2000	1.0 3.2 3.2 5.9 6.4 11.8	2.1 7.0 7.0 13.0 14.0 26.0	.41	.016	.64	.025	4.27	.168	72	22	138	42
																	
For Plenum versions of 400102, see 400076, 400103, 400319, 400069, 400104 or 400323.																	
Plenum • FEP Insulation • Red FEP Jacket																	
300V RMS, Non-conduit	**400103**	1	Black, Red	30.5 152.4 304.8	100 500† 1000†	1.1 2.7 5.0	2.4 6.0 11.0	.15	.006	.36	.014	2.69	.106	102	31	194	59
																	
Plenum • FEP Insulation • Natural Enerflame® Jacket																	
300V RMS, Non-conduit	**400104**	1	Black, Red	U-304.8 304.8	U-1000† 1000†	4.1 4.5	9.0 10.0	.15	.006	.36	.014	2.69	.106	102	31	194	59
																	

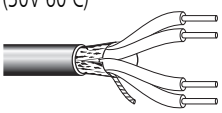
TC = Tinned Copper
† Spools and/or UnRoll® cartons are one piece, but length may vary ±10% for spools and ±5% for UnRoll from length shown.
**Enerfoil provides high reliability with ease of termination.

Overall Enerfoil® Shield

Audio, Control and Instrumentation Cables

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	mm	Inch	mm	Inch	* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
22 AWG Solid Conductors • Tinned Copper • Twisted Pairs • Overall 100% Enerfoil Shield • 22 AWG Stranded TC Drain Wire																	
PVC Insulation • Chrome PVC Jacket																	
UL AWM Style 2464 (300V 80°C)  Shorting Fold	**400105**	2	See Chart 1	U-152.4 152.4 U-304.8 304.8	U-500 500 U-1000 1000	6.8 7.0 13.6 13.6	15.0 15.5 30.0 30.0	.33	.013	.81	.032	6.20	.244	115	35	164	50
	400106	4	See Chart 1	30.5 U-152.4 152.4 U-304.8 304.8	100 U-500 500 U-1000 1000	2.5 10.2 10.2 20.0 20.0	5.6 22.5 22.5 44.0 44.0	.33	.013	.81	.032	6.73	.265	115	35	164	50
	400107	6	See Chart 1	152.4 304.8	500 1000	13.9 28.2	30.5 62.0	.33	.013	.81	.032	8.00	.315	115	35	164	50
	400108	9	See Chart 1	152.4 304.8	500 1000	20.2 39.1	44.5 86.0	.33	.013	.84	.033	9.22	.363	115	35	164	50
	400109	15	See Chart 1	152.4 304.8	500 1000	30.5 60.5	67.0 133.0	.33	.013	.94	.037	11.41	.449	115	35	164	50
	400110	19	See Chart 1	152.4 304.8	500 1000	38.6 75.0	85.0 165.0	.33	.013	1.02	.040	12.57	.495	115	35	164	50
	400111	27	See Chart 1	152.4 304.8	500 1000	52.7 104.5	116.0 230.0	.33	.013	1.14	.045	15.62	.615	115	35	164	50
300V RMS,60°C 	**400112**	51	Request Technical Support	304.8	1000†	174.5	384.0	25	.010	1.27	.050	18.03	.710	98	30	140	42.8

For 38-pair polypropylene version of 400112, see 400115.

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
22 AWG Solid Conductors • Tinned Copper • Twisted Pairs • 100% Bifoil® Shield • 22 AWG Stranded Tinned Copper Drain Wire																	
Enerlene® Insulation • Black PVC Jacket																	
UL AWM Style 2668 (30V 60°C) 	**400113**	2	Black & Yellow, Red & Blue	152.4 304.8	500 1000	13.9 26.8	30.5 59.0	9.78	.385	8.0 Ω/M' 26.2 Ω/km	16.5 Ω/M' 54.13 Ω/km	150	78%	28.5	8.7	46.3	14.1

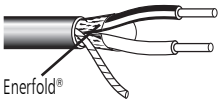
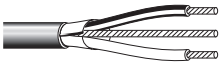
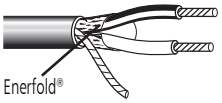
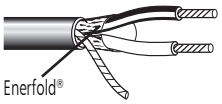
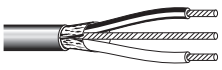
DCR = DC Resistance • TC = Tinned Copper

† Spools are one piece, but length may vary -0 to +20% from length shown.

Enerlene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

Overall Enerfoil® Shield

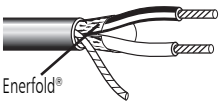
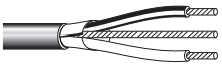
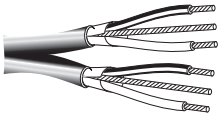
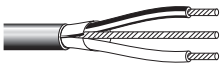
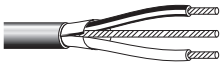
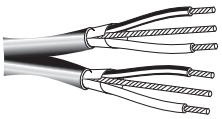
Audio, Control and Instrumentation Cables

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	mm	Inch	mm	Inch	* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
22 AWG Solid Conductors • Tinned Copper • Twisted Pairs • Overall 100% Enerfoil Shield • 22 AWG Solid TC Drain Wire**																	
Polypropylene Insulation • Gray or Black PVC Jacket																	
300V RMS 105°C	**400114**	1	Black, Red	U-152.4 U-304.8 304.8	U-500* U-1000* 1000	3.2 5.9 5.9	7.0 13.0 13.0	.18	.007	.46	.018	.118	3.00	131	40	249	76
																	
* U-500 ft.and U-1000 ft.put-ups available in Black only. Innovcable's Miniature Type Broadcast Audio and Instrumentation Cables occupy 1/2 to 2/3 less space than standard cables.																	
Polypropylene Insulation • Chrome PVC Jacket																	
200V RMS 80°C	**400115**	38	Request Technical Support	76.2 304.8	250† 1000†	29.5 116.4	65.0 256.0	.20	.008	1.14	.045	15.50	.610	56	17	80	24.3
																	
** This cable has a stranded tinned copper drain wire.																	
22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pair • Overall 100% Enerfoil Shield • 22 AWG Stranded TC Drain Wire																	
Semi-rigid PVC Insulation • Pale Fawn Beige Jacket-Striated PVC																	
UL AWM Style 2464 (300V 80°C)	**400116**	1	White, Black	U-152.4 152.4 U-304.8 304.8	U-500 500 U-1000 1000	5.5 5.2 10.5 10.5	12.0 11.5 23.0 23.0	.254	.010	.89	.035	4.60	.180	164	50	312	95
																	
PVC Insulation • Chrome PVC Jacket																	
UL AWM Style 2464 (300V 80°C)	**400117**	1	Black, Red	30.5 U-152.4 152.4 U-304.8 304.8	100 U-500 500 U-1000 1000	1.4 5.0 4.8 9.5 9.5	3.0 11.0 10.5 21.0 21.0	.33	.013	.89	.035	4.70	.186	164	50	295	90
																	
Polyethylene Insulation • Chrome PVC Jacket																	
UL AWM Style 2092 (300V 60°C)	**400118**	1	Black, Clear	U-152.4 152.4 U-304.8 304.8 609.6 1524.0 3048.0	U-500 500 U-1000 1000 2000 5000 10000††	4.1 4.1 7.7 8.2 15.5 40.9 77.3	9.0 9.0 17.0 18.0 34.0 90.0 170.0	.41	.016	.64	.025	4.45	.175	79	24	154	47
																	
														For Plenum versions of 400118, see 400126, 400341, 400126, 400342, 400127 or 400343.			
UL AWM Style 2092 (300V 60°C)	**400119**	1	Black, Clear	U-152.4 U-304.8	U-500 U-1000	5.0 9.6	11.0 21.0	.41	.016	.66	.026	4.57	.180	79	24	154	47
																	
The jacket and shield are bonded so both can be removed on automatic stripping equipment.																	

TC = Tinned Copper
† Spools are one piece, but length may vary -0 to +20% from length shown.
†† Length may vary -10% to +20% and may contain 2 pieces. Minimum length of any piece is 1500 ft.

Overall Enerfoil® Shield

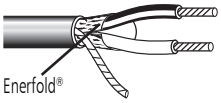
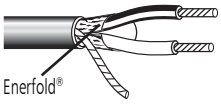
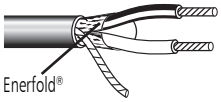
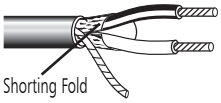
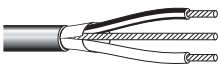
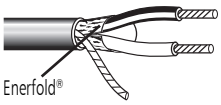
Audio, Control and Instrumentation Cables

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	mm	Inch	mm	Inch	* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
22 AWG Stranded (7x30) • Tinned Copper • Twisted Pair • Overall 100% Enerfoil Shield • 22 AWG Stranded TC Drain Wire (continued)																	
Polypropylene Insulation • Paper Wrap • Gray or Black PVC Jacket																	
300V RMS	**400120**	1	Black, Red	30.5	100*	1.2	2.7	.20	.008	.51	.020	3.51	.138	111	34	220	67
 Enerfold®				U-152.4	U-500	3.4	7.5										
				152.4	500	3.6	8.0										
				U-304.8	U-1000	6.4	14.0										
				304.8	1000	6.8	15.0										
* 100 ft.put-up available in Black only. Innovcable's Miniature Type Broadcast Audio and Instrumentation Cables occupy 1/2 to 2/3 less space than standard cables.Unique paper separator facilitates jacket stripping.																	
Polypropylene Insulation • PVC Jacket (Available in Black, Gray, Brown, Red, Orange, Yellow, Green, Blue, Violet or																	
300V RMS	**400121**	1	Black, Red	U-152.4	U-500*	3.6	8.0	.20	.008	.51	.020	3.43	.135	111	34	220	67
				152.4	500*	3.6	8.0										
				T-304.8	T-1000*	7.7	17.0										
				U-304.8	U-1000	6.8	15.0										
				1524.0	5000	33.9	74.5										
* U-500 ft.,500 ft.and T-1000 ft.put-ups available in Gray only. The jacket and shield are bonded so both can be removed on automatic stripping equipment.Drain wire is inside foil shield.																	
Polyolefin Insulation • PVC Jacket in Zip-Cord Construction (Red & Green, Red & Black, Red & Purple or Red &																	
300V 105°C	**400122**	2	Black, Red	U-304.8	U-1000	12.7	28.0	.20	.008	.51	.020	3.43 x 6.86	.135 x .270	112	34	220	67
				620.8	2000*	27.3	60.0										
* 2000 ft.put-up available in Red & Green only. The jacket and shield are bonded so both can be removed on automatic stripping equipment.Drain wire is inside foil shield.																	
22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pairs • Overall 100% Enerfoil Shield • 24 AWG Stranded TC Drain Wire																	
Polypropylene Insulation • PVC Jacket (Available in Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White or																	
300V RMS	**400123**	1	Black, Red	U-304.8	U-1000	6.8	15.0	.25	.010	.51	.020	3.68	145	99	30	177	54
				304.8	1000†	6.8	15.0										
† 1000 ft.put-up available in Black only. Unique design features lower capacitance and greater flexibility than standard audio pair constructions.																	
PVC Insulation • PVC Jacket (Available in Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White or																	
300V 90°C	**400124**	1	Black, Red	U-304.8	U-1000	7.3	16.0	.25	.010	.51	.020	3.61	.142	174	53	318	97
																	
22 AWG Stranded Conductors (19x34) • Tinned Copper • Dual Twisted Pairs • Overall 100% Enerfoil Shield • 24 AWG Stranded TC Drain Wire																	
PVC Insulation • PVC Jacket in Zip-Cord Construction (Red & Green, Red & Black, Red & Purple or Red & Gray)																	
Stereo Audio 150V RMS	**400125**	2	Black, Red	U-304.8	U-1000	15.0	33.0	.25	.010	.51	.020	3.63 x 7.26	.143 x .286	187	57	328	100
				609.8	2000††	30.9	68.0										
†† 2000 ft. put-up available in Red & Gray or Red & Green only. The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.																	

TC = Tinned Copper

Overall Enerfoil® Shield

Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	mm	Inch	mm	Inch	* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pair • Overall 100% Enerfoil Shield • 22 AWG Stranded TC Drain Wire																	
Plenum • FEP Insulation • Red FEP Jacket																	
300V RMS, Non-conduit	**400126**	1	Black, Red	30.5	100	1.2	2.7	.15	.006	.36	.014	2.95	.116	115	35	220	67
				U-152.4	U-500	3.2	7.0										
				152.4	500†	3.4	7.5										
				U-304.8	U-1000	5.9	13.0										
				304.8	1000†	6.4	14.0										
 Enerfold®																	
Plenum • FEP Insulation • Red Fluorocopolymer Jacket																	
300V RMS, Non-conduit	**400127**	1	Black, Red	152.4	500†	3.2	7.0	.15	.006	.36	.014	2.95	.116	115	35	220	67
				304.8	1000†	5.9	13.0										
 Enerfold®																	
Plenum • FEP Insulation • Natural Enerflame® Jacket																	
300V RMS, Non-conduit	**400128**	1	Black, Red	U-152.4	U-500†	3.0	6.5	.15	.006	.36	.014	2.95	.116	115	35	220	67
				U-304.8	U-1000†	5.5	12.0										
				304.8	1000†	5.9	13.0										
 Enerfold®																	
20 AWG Stranded Conductors (7x28) • Tinned Copper • Twisted Pair • Overall 100% Enerfoil Shield • 20 AWG Stranded TC Drain Wire																	
Polyethylene Insulation • Chrome PVC Jacket																	
UL AWM Style 2092 (300V 60°C)	**400129**	1	Black, Clear	30.5	100	1.5	3.2	.41	.016	.71	.028	5.18	.204	89	27	161	49
				76.2	250	2.8	6.3										
				U-152.4	U-500	5.5	12.0										
				152.4	500	5.5	12.0										
				U-304.8	U-1000	10.5	23.0										
				304.8	1000	10.5	23.0										
				609.6	2000	20.9	46.0										
				3048.0	10000	20.9	240.0										
 Shorting Fold																	
UL AWM Style 2092 (300V 60°C)	**400130**	1	Black, Clear	U-152.4	U-500	7.5	16.5	.41	.016	89	.035	5.44	.214	89	27	161	49
				U-304.8	U-1000	15.0	33.0										
																	
The jacket and shield are bonded so both can be removed on automatic stripping equipment.Drain wire is on the inside of foil shield.																	
PVC Insulation • Beige PVC Jacket																	
UL AWM Style 2464 (300V 80°C)	**400131**	1	Black, Red	U-152.4	U-500	5.2	11.5	.36	.014	.79	.031	5.03	.198	197	60	328	100
				152.4	500	5.5	12.0										
				U-304.8	U-1000	10.5	23.0										
				304.8	1000	10.5	23.0										
 Enerfold®																	

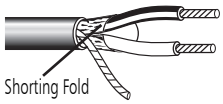
9154 has 22 AWG stranded tinned copper drain wire.

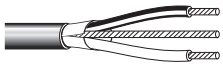
† Spools and/or UnRoll® cartons are one piece, but length may vary ±10% for spools and ±5% for UnRoll from length shown.

Overall Enerfoil® Shield

Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance * pF/m	Nominal Capacitance * pF/Ft.	Nominal Capacitance ** pF/m	Nominal Capacitance ** pF/Ft.
				m	Ft.	kg	Lbs.	mm	Inch	mm	Inch	mm	Inch				
18 AWG Stranded Conductors (16x30) • Tinned Copper • Twisted Pair • Overall 100% Enerfoil Shield • 20 AWG Stranded TC Drain Wire																	
Polyethylene Insulation • Chrome PVC Jacket																	
UL AWM Style 2092 (300V 60°C)	**400132**	1	Black, Clear	76.2	250	3.1	6.8	.48	.019	.71	.028	5.64	.222	79	24	144	44
				U-152.4	U-500	5.9	13.0										
				152.4	500	5.9	13.0										
				U-304.8	U-1000	11.8	26.0										
				304.8	1000	11.4	25.0										
				609.6	2000	22.7	50.0										
				1524.0	5000	61.4	135.0										
				3048.0	10000	118.2	260.0										
				For Plenum versions of 400132, see 400134, 400344, 400135, 400345, 400136 or 400346.													
	400133	1	Black, Clear	U-152.4	U-500	8.4	18.5	.48	.019	.76	.030	5.84	.230	79	24	144	44
				U-304.8	U-1000	16.4	36.0										



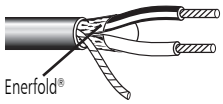


The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is on the inside of foil shield.

18 AWG Stranded Conductors (19x30) • Tinned Copper • Twisted Pair • Overall 100% Enerfoil Shield • 20 AWG Stranded TC Drain Wire

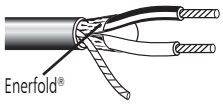
Plenum • FEP Insulation • Red FEP Jacket

300V RMS, Non-conduit	**400134**	1	Black, Red	30.5	100	1.7	3.7	.18	.007	.36	.014	3.81	.150	167	51	318	97
				U-152.4	U-500	5.7	12.5										
				152.4	500†	5.9	13.0										
				U-304.8	U-1000	10.9	24.0										
				304.8	1000†	10.9	24.0										



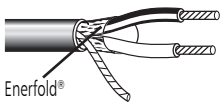
Plenum • FEP Insulation • Red Fluorocopolymer Jacket

300V RMS, Non-conduit	**400135**	1	Black, Red	U-152.4	U-500	5.5	12.0	.18	.007	.36	.014	3.81	.150	167	51	318	97
				152.4	500†	5.7	12.5										
				304.8	1000†	10.5	23.0										



Plenum • FEP Insulation • Natural Enerflame® Jacket

300V RMS, Non-conduit	**400136**	1	Black, Red	U-152.4	U-500†	5.2	11.5	.18	.007	.36	.014	3.81	.150	167	51	318	97
				U-304.8	U-1000†	10.0	22.0										
				304.8	1000†	10.5	23.0										

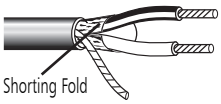


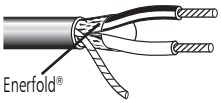
TC = Tinned Copper
† Spools and/or UnRoll® cartons are one piece, but length may vary ±10% for spools and ±5% for UnRoll from length shown.

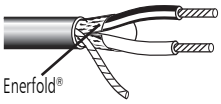
Overall Enerfoil® Shield

Audio, Control and Instrumentation Cables

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	mm	Inch	mm	Inch	* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
16 AWG Stranded Conductors (19x29) • Tinned Copper • Twisted Pair • Overall 100% Enerfoil Shield • 18 AWG Stranded TC Drain Wire																	
Polyethylene Insulation • Chrome PVC Jacket																	
UL AWM Style 20253 (600V 80°C)	**400137**	1	Black, Clear	U-152.4	U-500	11.1	24.5	.81	.032	.81	.032	7.95	.313	75	23	144	44
				152.4	500	11.1	24.5										
				304.8	U-1000	21.4	47.0										
				304.8	1000	22.3	49.0										
				609.6	2000	45.5	100.0										
				1524.0	5000	111.4	245.0										
				3048.0	10000	195.5	430.0										
14 AWG Stranded Conductors (19x27) • Tinned Copper • Twisted Pair • Overall 100% Enerfoil Shield • 16 AWG Stranded TC Drain Wire																	
Polyethylene Insulation • Chrome PVC Jacket																	
UL AWM Style 20253 (600V 80°C)	**400138**	1	Black, Clear	U-152.4	U-500	15.7	34.5	.81	.032	.89	.035	9.02	.355	79	24	154	47
				152.4	500	15.5	34.0										
				304.8	1000	32.3	71.0										
				609.6	2000	62.7	138.0										
12 AWG Stranded Conductors (19x25) • Tinned Copper • Twisted Pair • Overall 100% Enerfoil Shield • 14 AWG Stranded TC Drain Wire																	
Polyethylene Insulation • Chrome PVC Jacket																	
UL AWM Style 20253 (600V 80°C)	**400139**	1	Black, Clear	U-152.4	U-500	22.0	48.5	.94	.037	1.02	.040	10.16	.400	82	25	161	49
				152.4	500	23.2	51.0										
				304.8	1000	45.5	100.0										
				609.6	2000	90.0	198.0										



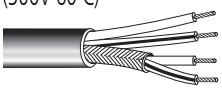
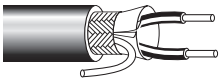
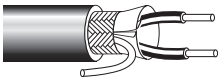
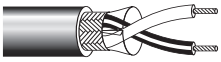




TC = Tinned Copper

Combination Unshielded and Braid Shield and Overall Braid Shield

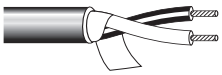
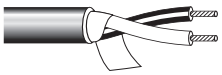
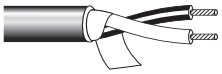
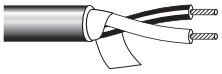
Audio, Control and Instrumentation Cables

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance * pF/m	Nominal Capacitance * pF/Ft.	Nominal Capacitance ** pF/m	Nominal Capacitance ** pF/Ft.
				m	Ft.	kg	Lbs.	mm	Inch	mm	Inch	mm	Inch				
Combination • 22 AWG Stranded Conductors (7x30) • Tinned Copper • Conductors Cabled • 62% TC Braid Shield Over One Pair																	
Polyethylene Insulation • Chrome PVC Jacket																	
UL AWM Style 2094 (300V 60°C) 	**400140**	2: 1 Shld	Black, Clear	152.4	500	8.9	19.5	.51	.020	.76	.030	5.23 x 8.43	.206 x .332	69	21	121	37
		1 Unshld	Black, Clear	U-304.8 304.8	U-1000 1000	17.3 17.7	38.0 39.0										
Overall Braid • 22 AWG Solid • Tinned Copper • Twisted Pair • Polyester Tape + 88% TC Braid Shield • 22 AWG Solid TC Drain Wire																	
PVC Insulation • Black PVC Jacket																	
UL AWM Style 2095 (300V 80°C) 	**400141**	1	Black, Red	304.8	1000	11.4	25.0	.38	.015	.64	.025	5.08	.200	157	48	279	85
Overall Braid • 22 AWG Stranded (7x30) • Tinned Copper • Twisted Pair • Polyester Tape + 86% TC Braid Shield • Stranded TC Drain Wire																	
PVC Insulation • Black PVC Jacket																	
UL AWM Style 2095 (300V 80°C) 	**400142**	1	Black, Red	30.5	100	1.6	3.6	.38	.015	.64	.025	5.33	.210	161	49	282	86
				U-152.4	U-500	6.4	14.0										
				152.4	500	6.4	14.0										
				U-304.8	U-1000	12.3	27.0										
				304.8	1000	12.3	27.0										
Overall Braid • 18 AWG Stranded Conductors (16x30) • Tinned Copper • Twisted Pair • Separator + 73% Tinned Copper Braid Shield																	
Rubber Insulation • Chrome PVC Jacket																	
300V RMS 80°C 	**400143**	1	Red, White	30.5	100	2.4	5.2	.56	.022	.64	.025	6.53	.257	151	46	253	77
				U-152.4	U-500	9.8	21.5										
				152.4	500	10.0	22.0										
				U-304.8	U-1000	19.5	43.0										
				304.8	1000	19.5	43.0										

TC = Tinned Copper

Overall Spiral Shield

Audio, Control and Instrumentation Cables

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance *		**	
				m	Ft.	kg	Lbs.	mm	Inch	mm	Inch	mm	Inch	pF/m	pF/Ft.	pF/m	pF/Ft.
Overall Spiral • 22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pair • 85% Tinned Copper Spiral Wrapped Shield																	
PVC Insulation • Chrome PVC Jacket																	
UL AWM Style 2095 (300V 80°C)	**400144**	1	Black, Red	U-152.4 152.4 U-304.8 304.8	U-500 500 U-1000 1000	4.8 4.5 9.1 9.1	10.5 10.0 20.0 20.0	.38	.015	.64	.025	4.57	.180	131	40	230	70
																	
Overall Spiral • 20 AWG Stranded Conductors (7x28) • Tinned Copper • Twisted Pair • 89% Tinned Copper Spiral Wrapped Shield																	
PVC Insulation • Chrome PVC Jacket																	
UL AWM Style 2095 (300V 80°C)	**400145**	1	Black, Red	U-152.4 U-304.8 304.8	U-500 U-1000 1000	5.9 11.4 11.4	13.0 25.0 25.0	.41	.016	.64	.025	5.05	.199	154	47	259	79
																	
Overall Spiral • 18 AWG Stranded Conductors (7x26) • Tinned Copper • Twisted Pair • 85% Tinned Copper Spiral Wrapped Shield																	
PVC Insulation • Chrome PVC Jacket																	
300V RMS 60°C	**400146**	1	Red, White	U-152.4 152.4 U-304.8 304.8	U-500 500 U-1000 1000	7.7 8.0 15.5 15.9	17.0 17.5 34.0 35.0	.56	.022	.71	.028	6.12	.241	174	53	302	92
																	
Overall Spiral • 16 AWG Stranded Conductors (19x29) • Tinned Copper • Twisted Pair • 85% Tinned Copper Spiral Wrapped Shield																	
PVC Insulation • Chrome PVC Jacket																	
300V RMS 60°C	**400147**	1	Black, White	152.4 U-304.8 304.8	500 U-1000 1000	10.7 20.5 20.9	23.5 45.0 46.0	.58	.023	.76	.030	7.11	.280	187	57	322	98
																	

Overall Foil/Braid Shield

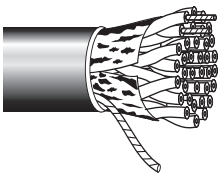
Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-422 Applications

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/ m	* pF/ Ft.	** pF/ m	** pF/ Ft.

28 AWG Stranded (7x36) • Tinned Copper • Twisted Pairs • Overall 100% Enerfoil® + 90% TC Braid Shield • 28 AWG Stranded TC Drain Wire

Polypropylene Insulation • Chrome PVC Jacket

UL AWM Style 2960 (30V 60°C)

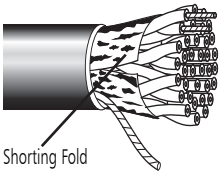


Part No.	Pairs	Color Code	m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.	Imp. (Ω)	Vel. of Prop.	* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
400148	2	See Chart 1	30.5 152.4 304.8	100 500 1000	1.7 8.0 13.6	3.8 17.5 30.0	5.44	214	4.9 Ω/M′ 16.1 Ω/km	64.9 Ω/M′ 212.9 Ω/km	100	66%	50.9	15.5	90.2	27.5
400149	3	See Chart 1	30.5 152.4 304.8	100 500 1000	1.9 8.9 15.9	4.2 19.5 35.0	5.64	.222	4.2 Ω/M′ 13.8 Ω/km	64.9 Ω/M′ 212.9 Ω/km	100	66%	50.9	15.5	90.2	27.5
400150	4	See Chart 1	30.5 152.4 304.8	100 500 1000	2.2 8.9 17.7	4.8 19.5 39.0	6.02	.237	4.0 Ω/M′ 13.1 Ω/km	64.9 Ω/M′ 212.9 Ω/km	100	66%	50.9	15.5	90.2	27.5
400151	5	See Chart 1	30.5 152.4 304.8	100 500 1000	2.2 8.9 17.7	4.8 19.5 39.0	6.10	.240	4.2 Ω/M′ 13.8 Ω/km	64.9 Ω/M′ 212.9 Ω/km	100	66%	50.9	15.5	90.2	27.5
400152	7	See Chart 1	30.5 152.4 304.8	100 500 1000	2.4 10.2 20.0	5.3 22.5 44.0	6.50	.256	3.7 Ω/M′ 12.1 Ω/km	64.9 Ω/M′ 212.9 Ω/km	100	66%	50.9	15.5	90.2	27.5
400153	9	See Chart 1	30.5 152.4 304.8	100 500 1000	2.9 12.3 24.1	6.4 27.0 53.0	7.37	.290	3.1 Ω/M′ 10.2 Ω/km	64.9 Ω/M′ 212.9 Ω/km	100	66%	50.9	15.5	90.2	27.5
400154	12	See Chart 1	30.5 152.4 304.8	100 500 1000	3.0 14.1 28.2	6.7 31.0 62.0	8.10	.319	2.8 Ω/M′ 9.2 Ω/km	64.9 Ω/M′ 212.9 Ω/km	100	66%	50.9	15.5	90.2	27.5
400155	13	See Chart 1	30.5 152.4 304.8	100 500 1000	3.2 15.5 30.0	7.0 34.0 66.0	8.53	.336	2.2 Ω/M′ 7.2 Ω/km	64.9 Ω/M′ 212.9 Ω/km	100	66%	50.9	15.5	90.2	27.5
400156	18	See Chart 1	30.5 152.4 304.8	100 500 1000	3.8 18.6 37.3	8.3 41.0 82.0	9.27	.365	2.0 Ω/M′ 6.7 Ω/km	64.9 Ω/M′ 212.9 Ω/km	100	66%	50.9	15.5	90.2	27.5
400157	25	See Chart 1	30.5 152.4 304.8	100 500 1000	6.2 24.8 49.1	13.6 54.5 108.0	10.90	.429	1.9 Ω/M′ 6.2 Ω/km	64.9 Ω/M′ 212.9 Ω/km	100	66%	50.9	15.5	90.2	27.5
400158	31	See Chart 1	30.5 152.4 304.8	100 500 1000	6.1 29.1 57.7	13.4 64.0 127.0	11.73	.462	2.1 Ω/M′ 6.9 Ω/km	64.9 Ω/M′ 212.9 Ω/km	100	66%	50.9	15.5	90.2	27.5

DCR = DC Resistance • TC = Tinned Copper

Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-485 Applications

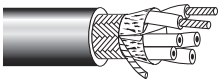
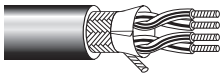
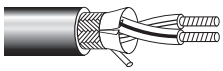
Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
28 AWG Stranded (7x36) • Tinned Copper • Twisted Pairs • Overall 100% Enerfoil® + 65% TC Braid Shield • 28 AWG Stranded TC Drain Wire																	
Enerlene® Insulation • Chrome PVC Jacket																	
UL AWM Style 2919 (30V 80°C)	**400159**	2	See Chart 3	30.5 152.4 304.8	100 500 1000	1.6 6.6 12.8	3.6 14.5 28.0	5.59	.220	5.1 Ω/M' 16.6 Ω/km	65.0 Ω/M' 213.0 Ω/km	120	78%	36.1	11.0	65.6	20.0
 Shorting Fold	**400160**	3	See Chart 3	30.5 152.4 304.8	100 500 1000	2.0 7.7 15.5	4.5 17.0 34.0	6.86	.270	5.2 Ω/M' 17.1 Ω/km	65.0 Ω/M' 213.0 Ω/km	120	78%	36.1	11.0	65.6	20.0
	400161	4	See Chart 3	30.5 152.4 304.8	100 500 1000	2.3 9.1 17.7	5.0 20.0 39.0	7.37	.290	4.4 Ω/M' 14.3 Ω/km	65.0 Ω/M' 213.0 Ω/km	120	78%	36.1	11.0	65.6	20.0
	400162	5	See Chart 3	30.5 304.8	100 1000	2.4 19.1	5.3 42.0	7.62	.300	4.2 Ω/M' 13.8 Ω/km	65.0 Ω/M' 213.0 Ω/km	120	78%	36.1	11.0	65.6	20.0
	400163	8	See Chart 3	30.5 152.4 304.8	100 500 1000	2.5 12.3 23.6	5.6 27.0 52.0	8.38	.330	3.7 Ω/M' 12.3 Ω/km	65.0 Ω/M' 213.0 Ω/km						
	400164	12.5 (12 pairs +1 single)	See Chart 3	30.5 152.4 304.8	100 500 1000	3.2 15.7 31.4	7.0 34.5 69.0	10.34	.407	3.1 Ω/M' 10.1 Ω/km	65.0 Ω/M' 213.0 Ω/km	120	78%	36.1	11.0	65.6	20.0
	400165	18	See Chart 3	30.5 152.4 304.8	100 500 1000	5.5 21.6 41.8	12.2 47.5 92.0	11.81	.465	2.6 Ω/M' 8.4 Ω/km	65.0 Ω/M' 213.0 Ω/km	120	78%	36.1	11.0	65.6	20.0
	400166	25	See Chart 3	30.5 152.4 304.8	100 500 1000	6.0 29.1 55.0	13.1 64.0 121.0	14.35	.565	2.3 Ω/M' 7.6 Ω/km	65.0 Ω/M' 213.0 Ω/km	120	78%	36.1	11.0	65.6	20.0

DCR = DC Resistance • TC = Tinned Copper

Enerlene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-485 Applications
Plenum-Rated and Non-Plenum

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
24 AWG Stranded (7x32) • Tinned Copper • Twisted Pairs • Overall 100% Enerfoil® + 90% TC Braid Shield • 24 AWG Stranded TC Drain Wire																	
Polyethylene Insulation • Chrome PVC Jacket																	
UL AWM Style 2919 (30V 80°C) 	**400167**	1	See Chart 3	30.5 152.4 304.8	100 500 1000	2.2 9.1 18.2	4.8 20.0 40.0	5.89	.232	3.4 Ω/M' 11.0 Ω/km	24.0 Ω/M' 78.7 Ω/km	120	66%	42.0	12.8	75.5	23.0
											For Plenum versions of 400167, see 400171, 400347, 400173 or 400349.						
	400168	2	See Chart 3	30.5 152.4 304.8	100 500 1000	2.6 13.4 25.9	5.8 29.5 57.0	8.64	.340	2.2 Ω/M' 7.2 Ω/km	24.0 Ω/M' 78.7 Ω/km	120	66%	42.0	12.8	75.5	23.0
											For Plenum versions of 400168, see 400172 or 400348.						
	400169	3	See Chart 3	30.5 152.4 304.8	100 500 1000	3.2 15.7 30.5	7.1 34.5 67.0	9.14	.360	2.3 Ω/M' 7.7 Ω/km	24.0 Ω/M' 78.7 Ω/km	120	66%	42.0	12.8	75.5	23.0
	400170	4	See Chart 3	152.4 304.8	500 1000	19.5 37.7	43.0 83.0	9.91	.390	2.1 Ω/M' 6.9 Ω/km	24.0 Ω/M' 78.7 Ω/km	120	66%	42.0	12.8	75.5	23.0
Plenum • Foam FEP Insulation • Natural Enerflame® Jacket																	
300V RMS 	**400171**	1	See Chart 3	152.4 304.8	500 1000	7.3 12.7	16.0 28.0	5.18	.204	3.1 Ω/M' 10.2 Ω/km	24.0 Ω/M' 78.7 Ω/km	120	76%	39.4	12	72.2	22
300V RMS 	**400172**	2	See Chart 3	152.4 304.8	500 1000	9.5 19.1	21.0 42.0	6.93	.273	2.4 Ω/M' 7.9 Ω/km	24.0 Ω/M' 78.7 Ω/km	120	76%	39.4	12	72.2	22
Plenum • Foam FEP Insulation • Red FEP Jacket																	
300V RMS 	**400173**	1	See Chart 3	152.4 304.8	500 1000	7.0 13.2	15.5 29.0	5.13	.202	3.1 Ω/M' 10.2 Ω/km	24.0 Ω/M' 78.7 Ω/km	120	76%	39.4	12	72.2	22

DCR = DC Resistance • TC = Tinned Copper

Overall Foil/Braid Shield

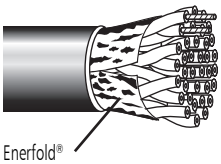
Low-Capacitance Computer Cables for EIA RS-232 Applications

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/m	* pF/Ft.	** pF/m	** pF/Ft.

24 AWG Stranded (7x32) • Tinned Copper • Multi-paired Cable with Overall 100% Enerfoil® + 65% Tinned Copper Braid Shield

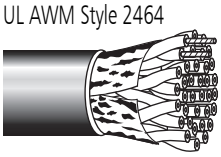
Semi-rigid PVC Insulation • Chrome PVC Jacket

UL AWM Style 2464
(300V 80°C)
CSA AWM I A



Part No.	No. of Pairs	Color Code	Standard Lengths m	Standard Lengths Ft.	Standard Unit Weight kg	Standard Unit Weight Lbs.	Nominal OD mm	Nominal OD Inch	Nominal DCR Shield	Nominal DCR Cond.	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance * pF/m	Nominal Capacitance * pF/Ft.	Nominal Capacitance ** pF/m	Nominal Capacitance ** pF/Ft.
400174	2	See Chart 3	30.5 152.4 304.8	100 500 1000	2.1 8.4 16.8	4.6 18.5 37.0	6.35	.250	5.4 Ω/M′ 17.7 Ω/km	24.0 Ω/M′ 78.7 Ω/km	75	60%	98	30	164	50
400175	3	See Chart 3	30.5 152.4 304.8	100 500 1000	2.5 10.3 20.1	5.5 22.5 44.0	6.73	.265	6.6 Ω/M′ 21.7 Ω/km	24.0 Ω/M′ 78.7 Ω/km	75	60%	98	30	164	50
400176	4	See Chart 3	30.5 152.4 304.8	100 500 1000	2.7 11.1 22.3	6.0 24.5 49.0	7.32	.288	4.5 Ω/M′ 14.8 Ω/km	24.0 Ω/M′ 78.7 Ω/km	75	60%	98	30	164	50
400177	5	See Chart 3	30.5 152.4 304.8	100 500 1000	3.0 13.0 25.9	6.6 28.5 57.0	7.49	.295	4.6 Ω/M′ 15.1 Ω/km	24.0 Ω/M′ 78.7 Ω/km	75	60%	98	30	164	50
400178	6	See Chart 3	30.5 152.4 304.8	100 500 1000	3.0 13.9 28.2	6.5 30.5 62.0	7.87	.310	4.7 Ω/M′ 15.4 Ω/km	24.0 Ω/M′ 78.7 Ω/km	75	60%	98	30	164	50
400179	7	See Chart 3	30.5 152.4 304.8	100 500 1000	3.1 14.5 29.5	6.8 32.0 65.0	8.15	.321	4.7 Ω/M′ 15.4 Ω/km	24.0 Ω/M′ 78.7 Ω/km	75	60%	98	30	164	50
400180	10	See Chart 3	30.5 152.4 304.8	100 500 1000	4.1 20.7 40.9	9.1 45.5 90.0	9.78	.385	3.5 Ω/M′ 11.5 Ω/km	24.0 Ω/M′ 78.7 Ω/km	75	60%	98	30	164	50
400181	12.5 (12 pairs +1 single)	See Chart 3	30.5 152.4 304.8	100 500 1000	5.0 25.0 49.5	11.0 55.0 109.0	10.29	.405	3.6 Ω/M′ 11.8 Ω/km	24.0 Ω/M′ 78.7 Ω/km	75	60%	98	30	164	50
400182	15	See Chart 3	152.4 304.8	500 1000	28.0 55.9	61.5 123.0	11.30	.445	3.2 Ω/M′ 10.5 Ω/km	24.0 Ω/M′ 78.7 Ω/km	75	60%	98	30	164	50

UL AWM Style 2464



Part No.	No. of Pairs	Color Code	Standard Lengths m	Standard Lengths Ft.	Standard Unit Weight kg	Standard Unit Weight Lbs.	Nominal OD mm	Nominal OD Inch	Nominal DCR Shield	Nominal DCR Cond.	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance * pF/m	Nominal Capacitance * pF/Ft.	Nominal Capacitance ** pF/m	Nominal Capacitance ** pF/Ft.
400183	18	See Chart 3	30.5 152.4 304.8	100 500 1000	7.2 35.8 69.3	15.8 78.5 152.0	12.19	.480	2.7 Ω/M′ 8.9 Ω/km	24.0 Ω/M′ 78.7 Ω/km	75	60%	98	30	164	50
400184	25	See Chart 3	152.4 304.8	500 1000	43.9 88.6	96.5 195.0	13.97	.550	2.5 Ω/M′ 8.2 Ω/km	24.0 Ω/M′ 78.7 Ω/km	75	60%	98	30	164	50

DCR = DC Resistance

Overall Foil/Braid Shield

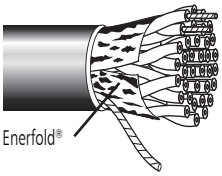
Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-422 Applications

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/ m	* pF/ Ft.	** pF/ m	** pF/ Ft.

24 AWG Stranded (7x32) • Tinned Copper • Twisted Pairs • Overall 100% Enerfoil® + 65% TC Braid Shield • 24 AWG Stranded TC Drain Wire

Polyethylene Insulation • Chrome PVC Jacket

UL AWM Style 2919 (30V 80°C)



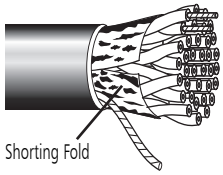
Enerfold®

Part No.	No. of Pairs	Color Code	m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.	Nom. Imp. (Ω)	Nom. Vel. of Prop.	* pF/ m	* pF/ Ft.	** pF/ m	** pF/ Ft.
400185	2	See Chart 3	30.5 152.4 304.8	100 500 1000	2.5 10.0 19.5	5.4 22.0 43.0	7.39	.291	4.4 Ω/M' 14.4 Ω/km	24.0 Ω/M' 78.7 Ω/km	100	66%	50.9	15.5	90.2	27.5
400186	3	See Chart 3	152.4 304.8	500 1000	11.6 24.1	25.5 53.0	7.74	.305	4.4 Ω/M' 14.4 Ω/km	24.0 Ω/M' 78.7 Ω/km	100	66%	50.9	15.5	90.2	27.5
400187	4	See Chart 3	30.5 152.4 304.8	100 500 1000	2.8 13.2 26.4	6.2 29.0 58.0	8.38	.330	3.9 Ω/M' 12.8 Ω/km	24.0 Ω/M' 78.7 Ω/km	100	66%	50.9	15.5	90.2	27.5
400188	5	See Chart 3	30.5 152.4 304.8	100 500 1000	3.0 14.3 29.5	6.6 31.5 65.0	8.59	.338	3.9 Ω/M' 12.8 Ω/km	24.0 Ω/M' 12.8 Ω/km	100	66%	50.9	15.5	90.2	27.5
400189	6	See Chart 3	152.4 304.8	500 1000	16.1 31.4	35.5 69.0	9.25	.364	2.1 Ω/M' 6.9 Ω/km	24.0 Ω/M' 78.7 Ω/km	100	66%	50.9	15.5	90.2	27.5
400190	7	See Chart 3	152.4 304.8	500 1000	17.0 35.0	37.5 77.0	9.40	.370	3.7 Ω/M' 12.1 Ω/km	24.0 Ω/M' 78.7 Ω/km	100	66%	50.9	15.5	90.2	27.5
400191	9	See Chart 3	152.4 304.8	500 1000	21.4 42.3	47.0 93.0	10.64	.419	3.0 Ω/M' 9.8 Ω/km	24.0 Ω/M' 78.7 Ω/km	100	66%	50.9	15.5	90.2	27.5
400192	10	See Chart 3	152.4 304.8	500 1000	23.4 46.4	51.5 102.0	11.46	.451	2.8 Ω/M' 9.2 Ω/km	24.0 Ω/M' 78.7 Ω/km	100	66%	50.9	15.5	90.2	27.5
400193	12	See Chart 3	30.5 152.4 304.8	100 500 1000	6.4 25.9 51.8	14.1 57.0 114.0	11.79	.464	2.8 Ω/M' 9.2 Ω/km	24.0 Ω/M' 78.7 Ω/km	100	66%	50.9	15.5	90.2	27.5
400194	18	See Chart 3	152.4 304.8	500 1000	39.8 79.1	87.5 174.0	14.40	.567	2.0 Ω/M' 6.6 Ω/km	24.0 Ω/M' 78.7 Ω/km	100	66%	50.9	15.5	90.2	27.5
400195	25	See Chart 3	152.4	500	51.4	113.0	17.02	.670	1.9 Ω/M' 6.2 Ω/km	24.0 Ω/M' 78.7 Ω/km	100	66%	50.9	15.5	90.2	27.5

DCR = DC Resistance • TC = Tinned Copper

Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-422 Applications

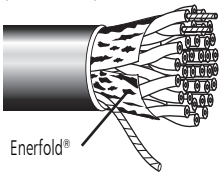
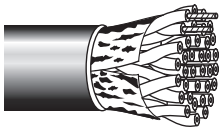
Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
24 AWG Stranded (7x32) • Tinned Copper • Twisted Pairs • Overall 100% Enerfoil® + 65% TC Braid Shield • 24 AWG Stranded TC Drain Wire																	
Enerlene® Insulation • Chrome PVC Jacket																	
UL AWM Style 2919 (30V 80°C)  Shorting Fold	**400196**	2	See Chart 3	30.5 152.4 304.8 3048.0	100 500 1000 10000	2.2 8.6 17.3 172.7	4.8 19.0 38.0 380.0	6.86	.270	4.6 Ω/M′ 15.1 Ω/km	24.0 Ω/M′ 78.7 Ω/km	100	78%	41	12.5	72.2	22
	400197	3	See Chart 3	30.5 152.4 304.8 3048.0	100 500 1000 10000	2.1 9.8 19.1 195.5	4.6 21.5 42.0 430.0	7.19	.283	3.8 Ω/M′ 12.5 Ω/km	24.0 Ω/M′ 78.7 Ω/km	100	78%	41	12.5	72.2	22
	400198	4	See Chart 3	30.5 152.4 304.8 3048.0	100 500 1000 10000	2.3 10.5 20.9 222.7	5.1 23.0 46.0 490.0	7.67	.302	4.1 Ω/M′ 13.5 Ω/km	24.0 Ω/M′ 78.7 Ω/km	100	78%	41	12.5	72.2	22
	400199	5	See Chart 3	30.5 152.4 304.8	100 500 1000	2.6 12.7 24.1	5.8 28.0 53.0	8.03	.316	4.2 Ω/M′ 13.8 Ω/km	24.0 Ω/M′ 78.7 Ω/km	100	78%	41	12.5	72.2	22
	400200	6	See Chart 3	30.5 152.4 304.8	100 500 1000	2.9 13.9 26.4	6.3 30.5 58.0	8.66	.341	3.5 Ω/M′ 11.5 Ω/km	24.0 Ω/M′ 78.7 Ω/km	100	78%	41	12.5	72.2	22
	400201	7	See Chart 3	30.5 152.4 304.8	100 500 1000	3.1 15.0 28.6	6.8 33.0 63.0	8.66	.341	3.5 Ω/M′ 11.5 Ω/km	24.0 Ω/M′ 78.7 Ω/km	100	78%	41	12.5	72.2	22
	400202	8	See Chart 3	30.5 152.4 304.8	100 500 1000	3.5 17.1 32.8	7.6 37.5 72.0	9.40	.370	2.7 Ω/M′ 8.9 Ω/km	24.0 Ω/M′ 78.7 Ω/km	100	78%	41	12.5	72.2	22
	400203	10	See Chart 3	30.5 152.4 304.8	100 500 1000	4.5 20.7 40.9	9.9 45.5 90.0	10.85	.427	2.4 Ω/M′ 7.9 Ω/km	24.0 Ω/M′ 78.7 Ω/km	100	78%	41	12.5	72.2	22
	400204	12.5 (12 pairs +1 single)	See Chart 3	30.5 152.4 304.8	100 500 1000	4.8 22.3 44.1	10.5 49.0 97.0	11.18	.440	2.4 Ω/M′ 7.9 Ω/km	24.0 Ω/M′ 78.7 Ω/km	100	78%	41	12.5	72.2	22
	400205	15	See Chart 3	152.4 304.8	500 1000	28.9 52.7	63.5 116.0	12.57	.495	2.6 Ω/M′ 8.5 Ω/km	24.0 Ω/M′ 78.7 Ω/km	100	78%	41	12.5	72.2	22
	400206	18	See Chart 3	30.5 152.4 304.8	100 500 1000	7.4 32.0 65.5	16.3 70.5 144.0	13.64	.537	2.1 Ω/M′ 6.9 Ω/km	24.0 Ω/M′ 78.7 Ω/km	100	78%	41	12.5	72.2	22
	400207	25	See Chart 3	30.5 152.4 304.8	100 500 1000	10.2 44.5 86.8	22.4 98.0 191.0	16.05	.632	2.0 Ω/M′ 6.6 Ω/km	24.0 Ω/M′ 78.7 Ω/km	100	78%	41	12.5	72.2	22

DCR = DC Resistance • TC = Tinned Copper

Enerlene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

Overall Foil/Braid Shield

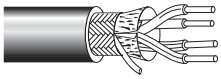
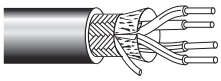
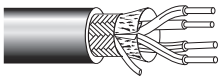
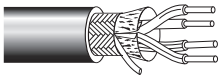
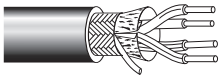
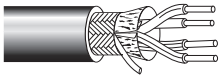
Low-Capacitance Computer Cables for EIA RS-232 Applications

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pairs • Overall 100% Enerfoil® + 65% Tinned Copper Braid Shield																	
Semi-rigid PVC Insulation • Chrome PVC Jacket																	
UL AWM Style 2464 (300V 80°C)  Enerfold®	**400208**	2	See Chart 1	30.5 152.4 304.8	100 500 1000	2.4 9.6 18.6	5.2 21.0 41.0	6.60	.260	5.7 Ω/M' 18.7 Ω/km	15.0 Ω/M' 49.2 Ω/km	70	60%	131	40	236	72
	400209	3	See Chart 1	30.5 152.4 304.8	100 500 1000	2.7 11.4 22.3	6.0 25.0 49.0	6.86	.270	6.2 Ω/M' 20.3 Ω/km	15.0 Ω/M' 49.2 Ω/km	70	60%	115	35	207	63
	400210	4	See Chart 1	30.5 152.4 304.8	100 500 1000	3.0 14.3 29.5	6.7 31.5 65.0	65.0	.320	4.9 Ω/M' 16.1 Ω/km	15.0 Ω/M' 49.2 Ω/km	70	60%	115	35	207	63
	400211	5	See Chart 1	30.5 152.4 304.8	100 500 1000	3.3 15.7 30.9	7.3 34.5 68.0	8.18	.322	4.8 Ω/M' 15.7 Ω/km	15.0 Ω/M' 49.2 Ω/km	70	60%	115	35	207	63
	400212	6	See Chart 1	30.5 152.4 304.8	100 500 1000	3.6 18.0 34.5	8.0 39.5 76.0	8.84	.348	5.0 Ω/M' 16.4 Ω/km	15.0 Ω/M' 49.2 Ω/km	70	60%	115	35	207	63
	400213	7	See Chart 1	30.5 152.4 304.8	100 500 1000	3.9 18.9 37.3	8.6 41.5 82.0	8.84	.348	5.0 Ω/M' 16.4 Ω/km	15.0 Ω/M' 49.2 Ω/km	70	60%	115	35	207	63
	400214	8	See Chart 1	30.5 152.4 304.8	100 500 1000	4.7 23.7 46.0	10.4 52.0 101.0	9.75	.384	4.4 Ω/M' 14.4 Ω/km	15.0 Ω/M' 49.2 Ω/km	70	60%	115	35	207	63
UL AWM Style 2464 (300V 80°C) 	**400215**	10	See Chart 1	30.5 152.4 304.8	100 500 1000	5.9 27.7 55.9	12.9 61.0 123.0	11.18	.440	4.1 Ω/M' 13.4 Ω/km	15.0 Ω/M' 49.2 Ω/km	70	60%	115	35	207	63
	400216	12.5 (12 pairs +1 single)	See Chart 1	30.5 152.4 304.8	100 500 1000	6.7 32.8 63.8	14.6 72.0 140.0	11.56	.455	4.2 Ω/M' 13.8 Ω/km	15.0 Ω/M' 49.2 Ω/km	70	60%	115	35	207	63
	400217	15	See Chart 1	30.5 152.4 304.8	100 500 1000	7.9 39.0 76.1	17.3 85.5 167.0	12.75	.502	3.8 Ω/M' 12.5 Ω/km	15.0 Ω/M' 49.2 Ω/km	70	60%	115	35	207	63
	400218	18	See Chart 1	30.5 152.4 304.8	100 500 1000	8.9 44.1 89.1	19.6 97.0 196.0	13.59	.535	3.0 Ω/M' 9.8 Ω/km	15.0 Ω/M' 49.2 Ω/km	70	60%	115	35	207	63
	400219	25	See Chart 1	30.5 152.4 304.8	100 500 1000	11.4 57.4 112.1	25.1 126.0 246.0	15.75	.620	2.9 Ω/M' 9.5 Ω/km	15.0 Ω/M' 49.2 Ω/km	70	60%	115	35	207	63

DCR = DC Resistance

Overall Foil/Braid Shield

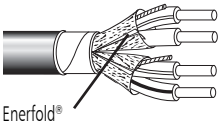
Computer P.O.S. Cables
Plenum-Rated and Non-Plenum

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
22 AWG Solid • Tinned Copper • Twisted Pairs • Overall 100% Enerfoil® Shield + 90% TC Braid • 22 AWG Solid TC Drain Wire																	
Polyethylene Insulation • Black PVC Jacket																	
UL AWM Style 2582 (150V 60°C)	**400220**	2	Red & Blue, Black & Yellow	304.8	1000	21.8	48.0	6.86	.270	3.7 Ω/M′ 12.1 Ω/km	16.5 Ω/M′ 54.1 Ω/km	100	66%	50.9	15.5	90.2	27.5
											For Plenum versions of 400220, see 400221 or 400350.						
Plenum • Solid FEP Insulation • Black FEP Jacket																	
300V RMS, Non-conduit	**400221**	2	Red & Blue Black & Yellow	304.8	1000†	21.8	48.0	6.10	.240	2.1 Ω/M′ 6.9 Ω/km	16.5 Ω/M′ 54.1 Ω/km	100	69.5%	50.9	15.5	88.6	27.0
																	
22 AWG Solid • Tinned Copper • Twisted Pairs • Overall 100% Enerfoil + 58% TC Braid Shield • 22 AWG Solid TC Drain Wire																	
Polyethylene Insulation • Black PVC Jacket																	
UL AWM Style 2582 (150V 60°C)	**400222**	2	Red & Blue, Black & Yellow	U-152.4 152.4 304.8 3048.0	U-500 500 1000 10000	9.1 9.3 18.2 186.4	20.0 20.5 40.0 410.0	6.86	.270	4.2 Ω/M′ 13.8 Ω/km	16.5 Ω/M′ 54.1 Ω/km	100	66%	50.9	15.5	90.2	27.5
											For Plenum versions of 400222, see 400223 or 400351.						
22 AWG Solid • Tinned Copper • Twisted Pairs • Overall 100% Enerfoil + 55% TC Braid Shield plus Polyester Tape • 22 AWG Solid TC Drain Wire																	
Plenum • Solid FEP Insulation • Black FEP Jacket																	
300V RMS, Non-conduit	**400223**	2	1 Pair: Red & Blue 1 Pair: Black & Yellow	152.4 304.8	500† 1000†	10.9 19.1	24.0 42.0	6.91	.272	4.9 Ω/M′ 16.1 Ω/km	16.5 Ω/M′ 54.1 Ω/km	100	69.5%	50.9	15.5	88.6	27.0
																	
22 AWG Solid • Bare Copper • Twisted Pairs • Overall 100% Enerfoil Shield + 58% TC Braid • 22 AWG Solid TC Drain Wire																	
Polyethylene Insulation • Black PVC Jacket																	
UL AWM Style 2919 (30V 80°C)	**400224**	2	1 Pair: Blue & White with Blue Stripe 1 Pair: Orange & White with Orange Stripe	152.4 304.8	500 1000	10.2 20.0	22.5 44.0	7.37	.290	4.2 Ω/M′ 13.8 Ω/km	14.2 Ω/M′ 46.6 Ω/km	100	66%	52.5	16.0	90.2	27.5
											For Plenum versions of 400224, see 400224 or 400352.						
22 AWG Solid • Bare Copper • Twisted Pairs • Overall 100% Enerfoil Shield + 55% TC Braid • 22 AWG Solid TC Drain Wire																	
Plenum • Solid FEP Insulation • Black FEP Jacket																	
300V RMS, Non-conduit	**400225**	2	1 Pair: Blue & White with Blue Stripe 1 Pair: Orange & White with Orange Stripe	152.4 304.8	500† 1000†	11.4 21.4	25.0 47.0	6.65	.262	4.2 Ω/M′ 13.8 Ω/km	16.5 Ω/M′ 54.1 Ω/km	100	69.5%	50.9	15.5	88.6	27.0
																	

DCR = DC Resistance • TC = Tinned Copper
† Spools are one piece, but length may vary ±10% from length shown.

Individually Shielded

Low-Capacitance 100 Ohm Computer Cables for EIA RS-422 and Digital Audio Applications

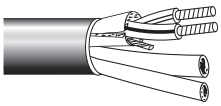
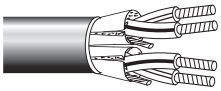
Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
24 AWG Stranded (7x32) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Enerfoil® • 24 AWG Stranded TC Drain Wire																	
Enerlene® Insulation • Chrome PVC Jacket																	
UL AWM Style 2493 (300V 60°C)  Enerfold®	**400226**	2	See Chart 1	30.5 152.4 304.8 3048.0	100 500 1000 10000	2.0 9.3 17.7 177.8	4.3 20.5 39.0 390.0	8.05	.317	18.0 Ω/M' 59.1 Ω/km	24.0 Ω/M' 78.7 Ω/km	100	78%	41.0	12.5	76.1	23.2
											For Plenum versions of 400226, see 400237, 400353, 400362 or 400242.						
	400227	3	See Chart 1	30.5 152.4 304.8 3048.0	100 500 1000 10000	2.3 11.1 20.9 236.4	5.1 24.5 46.0 520.0	8.48	.334	18.0 Ω/M' 59.1 Ω/km	24.0 Ω/M' 78.7 Ω/km	100	78%	41.0	12.5	76.1	23.2
											For Plenum versions of 400227, see 400238 or 400354.						
	400228	4	See Chart 1	30.5 152.4 304.8	100 500 1000	2.7 13.0 25.0	6.0 28.5 55.0	9.22	.363	18.0 Ω/M' 59.1 Ω/km	24.0 Ω/M' 78.7 Ω/km	100	78%	41.0	12.5	76.1	23.2
											For Plenum versions of 400228, see 400239 or 400355.						
	400229	6	See Chart 1	30.5 152.4 304.8	100 500 1000	5.0 19.1 37.7	11.1 42.0 83.0	10.69	.421	18.0 Ω/M' 59.1 Ω/km	24.0 Ω/M' 78.7 Ω/km	100	78%	41.0	12.5	76.1	23.2
											For Plenum versions of 400229, see 400240 or 400357.						
	400230	9	See Chart 1	30.5 152.4 304.8	100 500 1000	5.4 26.4 49.1	11.9 58.0 108.0	12.40	.488	18.0 Ω/M' 59.1 Ω/km	24.0 Ω/M' 78.7 Ω/km	100	78%	41.0	12.5	76.1	23.2
											For Plenum versions of 400230, see 400241 or 400359.						
	400231	11	See Chart 1	152.4	500	34.1	75.0	14.61	.575	18.0 Ω/M' 59.1 Ω/km	24.0 Ω/M' 78.7 Ω/km	100	78%	41.0	12.5	76.1	23.2
	400232	12	See Chart 1	152.4 304.8	500 1000	36.1 70.0	79.5 154.0	14.61	.575	18.0 Ω/M' 59.1 Ω/km	24.0 Ω/M' 78.7 Ω/km	100	78%	41.0	12.5	76.1	23.2
	400233	15	See Chart 1	152.4 304.8	500 1000	43.2 84.1	95.0 185.0	16.23	.639	18.0 Ω/M' 59.1 Ω/km	24.0 Ω/M' 78.7 Ω/km	100	78%	41.0	12.5	76.1	23.2
	400234	17	See Chart 1	152.4 304.8	500 1000	47.0 95.5	103.5 210.0	17.04	.671	18.0 Ω/M' 59.1 Ω/km	24.0 Ω/M' 78.7 Ω/km	100	78%	41.0	12.5	76.1	23.2
	400235	19	See Chart 1	304.8	1000	105.0	231.0	17.04	.671	18.0 Ω/M' 59.1 Ω/km	24.0 Ω/M' 78.7 Ω/km	100	78%	41.0	12.5	76.1	23.2
	400236	27	See Chart 1	304.8	1000	151.8	334.0	20.24	.797	18.0 Ω/M' 59.1 Ω/km	24.0 Ω/M' 78.7 Ω/km	100	78%	41.0	12.5	76.1	23.2

DCR = DC Resistance • TC = Tinned Copper

Enerlene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

Individually Shielded

Low-Capacitance Computer Cables for EIA RS-232, EIA RS-422, and Digital Audio Applications
Plenum-Rated

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
24 AWG Stranded (7x32) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Enerfoil® • 24 AWG Stranded TC Drain Wire																	
Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket																	
300V RMS, Non-conduit 	**400237**	2	See Chart 3	152.4 304.8	500† 1000†	8.4 14.1	18.5 31.0	6.63	.261	14.4 Ω/M′ 47.2 Ω/km	23.3 Ω/M′ 76.4 Ω/km	100	78%	44	13.5	73.8	22.5
	400238	3	See Chart 3	152.4 304.8	500† 1000†	10.5 18.2	23.0 40.0	7.06	.278	14.4 Ω/M′ 47.2 Ω/km	23.3 Ω/M′ 76.4 Ω/km	100	78%	44	13.5	73.8	22.5
	400239	4	See Chart 3	152.4 304.8	500† 1000†	12.0 22.7	26.5 50.0	7.80	.307	14.4 Ω/M′ 47.2 Ω/km	23.3 Ω/M′ 76.4 Ω/km	100	78%	44	13.5	73.8	22.5
	400240	6	See Chart 3	152.4 304.8	500† 1000†	15.9 32.3	35.0 71.0	9.17	.361	14.4 Ω/M′ 47.2 Ω/km	23.3 Ω/M′ 76.4 Ω/km	100	78%	44	13.5	73.8	22.5
	400241	9	See Chart 3	304.8	1000†	48.2	106.0	10.90	.429	14.4 Ω/M′ 47.2 Ω/km	23.3 Ω/M′ 76.4 Ω/km	100	78%	44	13.5	73.8	22.5
Plenum • Foam FEP Insulation • Natural Enerflame® Jacket																	
300V RMS, Non-conduit 	**400242**	2	See Chart 3	U-304.8 304.8	U-1000 1000†	12.3 12.7	27.0 28.0	6.48	.255	14.4 Ω/M′ 47.2 Ω/km	23.3 Ω/M′ 76.4 Ω/km	100	78%	44	13.5	73.8	22.5

DCR = DC Resistance • TC = Tinned Copper
† Spools are one piece, but length may vary ±10% from length shown.

Individually Shielded

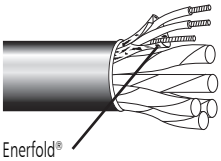
Audio, Control and Instrumentation Cables

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/ m	* pF/ Ft.	** pF/ m	** pF/ Ft.

24 AWG Stranded (7x32) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Enerfoil® • 24 AWG Stranded TC Drain Wire

Polyethylene Insulation • Chrome PVC Jacket

UL AWM Style 2919 (30V 80°C)



Enerfold®

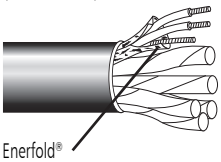
Part No.	No. of Pairs	Color Code	Standard Lengths m	Standard Lengths Ft.	Standard Unit Weight kg	Standard Unit Weight Lbs.	Nominal OD mm	Nominal OD Inch	Nominal DCR Shield	Nominal DCR Cond.	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance * pF/ m	Nominal Capacitance * pF/ Ft.	Nominal Capacitance ** pF/ m	Nominal Capacitance ** pF/ Ft.
400243	3	See Chart 1	152.4 304.8	500 1000	8.2 16.4	18.0 36.0	6.48	.255	18.0 Ω/M 59.1 Ω/km	24.0 Ω/M' 78.7 Ω/km	60	66%	82	25	154	47
400244	6	See Chart 1	30.5 152.4 304.8	100 500 1000	3.1 14.6 28.3	6.7 32.0 62.0	8.38	.330	18.0 Ω/M 59.1 Ω/km	24.0 Ω/M' 78.7 Ω/km	60	66%	82	25	154	47
400245	9	See Chart 1	30.5 152.4 304.8	100 500 1000	4.0 20.0 39.1	8.8 44.0 86.0	9.73	.383	18.0 Ω/M 59.1 Ω/km	24.0 Ω/M' 78.7 Ω/km	60	66%	82	25	154	47
400246	12	See Chart 1	30.5 304.8	100 1000	5.2 48.6	11.5 107.0	10.87	.428	18.0 Ω/M 59.1 Ω/km	24.0 Ω/M' 78.7 Ω/km	60	66%	82	25	154	47
400247	25	See Chart 1	30.5 152.4 304.8	100 500 1000	10.5 52.7 103.6	23.2 116.0 228.0	16.15	.636	18.0 Ω/M 59.1 Ω/km	24.0 Ω/M' 78.7 Ω/km	60	66%	82	25	154	47

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	mm	Inch	mm	Inch	* pF/ m	* pF/ Ft.	** pF/ m	** pF/ Ft.

22 AWG Solid Conductors • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Enerfoil • 22 AWG Solid TC Drain Wire

PVC Insulation • Overall Chrome PVC Jacket

UL AWM Style 2464 (300V 80°C)



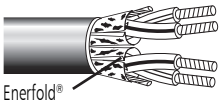
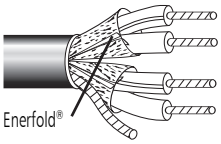
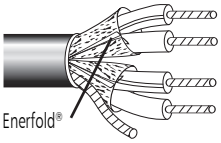
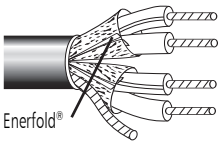
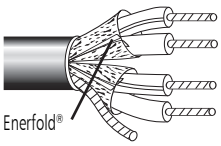
Enerfold®

Part No.	No. of Pairs	Color Code	Standard Lengths m	Standard Lengths Ft.	Standard Unit Weight kg	Standard Unit Weight Lbs.	Insulation Thickness mm	Insulation Thickness Inch	Jacket Thickness mm	Jacket Thickness Inch	Nominal OD mm	Nominal OD Inch	Nominal Capacitance * pF/ m	Nominal Capacitance * pF/ Ft.	Nominal Capacitance ** pF/ m	Nominal Capacitance ** pF/ Ft.
400248	3	See Chart 1	U-152.4 152.4 304.8	U-500 500 1000	10.9 11.1 22.3	24.0 24.5 49.0	.33	.013	94	.037	7.10	.279	131	40	253	77
400249	6	See Chart 1	152.4 304.8	500 1000	21.1 41.8	46.5 92.0	.33	.013	.94	.037	9.60	.379	131	40	253	77
400250	9	See Chart 1	304.8	1000	55.5	122.0	.33	.013	1.02	.040	10.80	.425	131	40	253	77
400251	11	See Chart 1	152.4 304.8	500 1000	34.8 67.7	76.5 149.0	.33	.013	1.02	.040	11.90	.470	131	40	253	77
400252	15	See Chart 1	152.4 304.8	500 1000	46.1 89.1	101.5 196.0	.33	.013	1.14	.045	.525	1.14	131	40	253	77

DCR = DC Resistance • TC = Tinned Copper

Individually Shielded

Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
22 AWG Stranded (7x30) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Enerfoil® • 22 AWG Stranded TC Drain Wire																	
Semi-rigid PVC Insulation • Pale Fawn Beige PVC Jacket (Shielded Pairs Parallel under Jacket)																	
UL AWM Style 2464 (300V 80°C)  Enerfold®	**400253**	2	Black & White, Black & Yellow	30.5 U-152.4 152.4 U-304.8 304.8	100 U-500 500 U-1000 1000	1.9 7.5 7.7 15.0 15.0	4.2 16.5 17.0 33.0 33.0	4.39 x 7.11	.173 x .280	13.0 Ω/M' 42.7 Ω/km	15.0 Ω/M' 49.2 Ω/km	50	60%	164	50	312	95
22 AWG Stranded (7x30) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Enerfoil • 24 AWG Stranded TC Drain Wire																	
Polypropylene Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																	
300V RMS 60°C  Enerfold®	**400254**	2	Red & Black, Green & White	30.5 U-152.4 152.4 U-304.8 304.8 499.9 U-609.6 609.6 999.7 1524.0 3048.0	100 U-500 500 U-1000 1000 1640 U-2000 2000 3280 5000 10000	1.0 4.8 4.5 9.1 9.1 14.9 18.2 18.2 29.8 43.2 90.9	2.3 10.5 10.0 20.0 20.0 32.8 40.0 40.0 65.6 95.0 200.0	4.27	.168	16.6 Ω/M' 54.5 Ω/km	15.0 Ω/M' 49.2 Ω/km	45	66%	115	35	203	62
Plenum • Enelar® Insulation • Natural Enerflame® Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																	
300V RMS, Non-conduit  Enerfold®	**400255**	2	Red & Black, Green & White	U-152.4 U-304.8 304.8 U-609.6	U-500† U-1000 1000† U-2000†	4.5 8.6 9.1 17.3	10.0 19.0 20.0 38.0	3.76	.148	16.6 Ω/M' 54.5 Ω/km	14.7 Ω/M' 48.2 Ω/km	36	62%	141	43	246	75
Plenum • FEP Insulation • Red FEP Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																	
300V RMS, Non-conduit  Enerfold®	**400256**	2	Red & Black, Green & White	30.5 152.4 304.8	100 500 1000	1.5 5.0 9.5	3.4 11.0 21.0	3.76	.148	14.7 Ω/M' 48.2 Ω/km	16.0 Ω/M' 52.5 Ω/km	40	69%	115	35	220	67
Plenum • FEP Insulation • Red Fluorocopolymer Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																	
300V RMS, Non-conduit  Enerfold®	**400257**	2	Red & Black, Green & White	152.4 304.8	500† 1000†	5.0 9.1	11.0 20.0	3.76	.148	14.7 Ω/M' 48.2 Ω/km	16.0 Ω/M' 52.5 Ω/km	40	69%	115	35	220	67

For Plenum versions of 400254, see 400256, 400366, 400257, 400369, 400255 or 400363.

DCR = DC Resistance • TC = Tinned Copper
† Spools and/or UnRoll® cartons are one piece, but length may vary ±10% for spools and ±5% for UnRoll from length show.

Individually Shielded

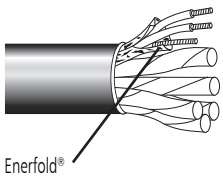
Audio, Control and Instrumentation Cables

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/ m	* pF/ Ft.	** pF/ m	** pF/ Ft.

22 AWG Stranded (7x30) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Enerfoil® • 22 AWG Stranded TC Drain Wire

Polypropylene Insulation • Chrome PVC Jacket

UL AWM Style 2919
(30V 80°C)



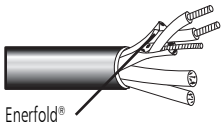
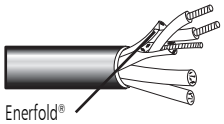
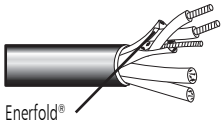
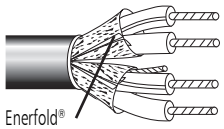
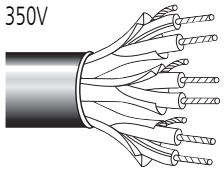
Enerfold®

Part No.	No. of Pairs	Color Code	Standard Lengths m	Standard Lengths Ft.	Standard Unit Weight kg	Standard Unit Weight Lbs.	Nominal OD mm	Nominal OD Inch	Nominal DCR Shield	Nominal DCR Cond.	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance * pF/ m	Nominal Capacitance * pF/ Ft.	Nominal Capacitance ** pF/ m	Nominal Capacitance ** pF/ Ft.
400258	3	See Chart 1	30.5 76.2 U-152.4 152.4 U-304.8 304.8 499.9 999.7 1524.0 3048.0	100 250 U-500 500 U-1000 1000 1640 3280 5000 10000	2.4 5.1 9.5 9.5 18.6 19.1 30.6 62.6 95.5 204.5	5.3 11.3 21.0 21.0 41.0 42.0 67.2 137.8 210.0 450.0	6.93	.273	10.6 Ω/M 34.8 Ω/km	15.0 Ω/M' 49.2 Ω/km	50	66%	98	30	180	55
													For Plenum versions of 400258, see 400270, 400367, 400272, 400370, 400268 or 400364.			
400259	6	See Chart 1	30.5 76.2 152.4 304.8	100 250 500 1000	3.8 9.4 19.5 37.7	8.4 20.8 43.0 83.0	9.19	.362	10.6 Ω/M 34.8 Ω/km	15.0 Ω/M' 49.2 Ω/km	50	66%	98	30	180	55
													For Plenum versions of 400259, see 400271, 400368, 400273, 400371, 400269 or 400365.			
400260	9	See Chart 1	30.5 76.2 152.4 304.8	100 250 500 1000	5.3 13.1 26.4 52.3	11.6 28.8 58.0 115.0	10.59	.417	10.6 Ω/M 34.8 Ω/km	15.0 Ω/M' 49.2 Ω/km	50	66%	98	30	180	55
400261	11	See Chart 1	30.5 152.4 304.8	100 500 1000	6.4 30.5 60.5	14.1 67.0 133.0	11.79	.464	10.6 Ω/M 34.8 Ω/km	15.0 Ω/M' 49.2 Ω/km	50	66%	98	30	180	55
400262	12	See Chart 1	30.5 76.2 152.4 304.8	100 250 500 1000	6.8 16.1 33.4 65.0	14.9 35.5 73.5 143.0	11.79	.464	10.6 Ω/M 34.8 Ω/km	15.0 Ω/M' 49.2 Ω/km	50	66%	98	30	180	55
400263	15	See Chart 1	30.5 76.2 152.4 304.8	100 250 500 1000	9.0 22.5 44.5 89.5	19.7 49.5 98.0 197.0	13.92	.548	10.6 Ω/M' 34.8 Ω/km	15.0 Ω/M' 49.2 Ω/km	50	66%	98	30	180	55
400264	17	See Chart 1	30.5 152.4 304.8	100 500 1000	10.0 49.5 97.7	22.0 109.0 215.0	14.66	.577	10.6 Ω/M' 34.8 Ω/km	15.0 Ω/M' 49.2 Ω/km	50	66%	98	30	180	55
400265	19	See Chart 1	30.5 152.4 304.8	100 500 1000	11.4 56.1 111.4	25.0 123.5 245.0	15.32	.603	10.6 Ω/M' 34.8 Ω/km	15.0 Ω/M' 49.2 Ω/km	50	66%	98	30	180	55
400266	27	See Chart 1	30.5 76.2 152.4 304.8	100 250† 500† 1000†	15.4 38.6 75.5 157.3	33.8 85.0 166.0 346.0	18.00	.709	10.6 Ω/M' 34.8 Ω/km	15.0 Ω/M' 49.2 Ω/km	50	66%	98	30	180	55
400267	37	See Chart 1	152.4 304.8	500† 1000†	101.8 218.6	224.0 481.0	20.32	.800	10.6 Ω/M' 34.8 Ω/km	15.0 Ω/M' 49.2 Ω/km	50	66%	98	30	180	55

DCR = DC Resistance • TC = Tinned Copper
† Spools are one piece, but length may vary -0 to +20% from length shown.

Individually Shielded

Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
22 AWG Stranded (7x30) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Enerfoil® • 22 AWG Stranded TC Drain Wire																	
Plenum • Enelar® Insulation • Natural Enerflame® Jacket																	
300V RMS, Non-conduit	**400268**	3	See Chart 1	U-152.4 U-304.8 304.8	U-500† U-1000 1000†	8.6 17.3 17.7	19.0 38.0 39.0	5.94	.234	11.3Ω/M' 37.1Ω/km	14.7Ω/M' 48.2Ω/km	46	62%	115	35	249	76
 Enerfold®	**400269**	6	See Chart 1	304.8	1000†	30.5	67.0	8.38	.330	11.3Ω/M' 37.1Ω/km	14.7Ω/M' 48.2Ω/km	46	62%	115	35	249	76
Plenum • FEP Insulation • Red FEP Jacket																	
300V RMS, Non-conduit	**400270**	3	See Chart 1	30.5 152.4 304.8	100 500† 1000†	2.7 9.5 19.1	6.0 21.0 42.0	5.94	.234	11.3Ω/M' 37.1Ω/km	14.7Ω/M' 48.2Ω/km	50	69%	102	31	220	67
 Enerfold®	**400271**	6	See Chart 1	30.5 152.4 304.8	100 500† 1000†	4.0 18.2 34.1	8.8 40.0 75.0	7.85	.309	11.3Ω/M' 37.1Ω/km	14.7Ω/M' 48.2Ω/km	50	69%	102	31	220	67
Plenum • FEP Insulation • Red Fluorocopolymer Jacket																	
300V RMS, Non-conduit	**400272**	3	See Chart 1	152.4 304.8	500† 1000†	9.1 18.2	20.0 40.0	5.94	.234	11.3Ω/M' 37.1Ω/km	14.7Ω/M' 48.2Ω/km	50	69%	102	31	220	67
 Enerfold®	**400273**	6	See Chart 1	152.4 304.8	500† 1000†	17.0 33.2	37.5 73.0	7.85	.309	11.3Ω/M' 37.1Ω/km	14.7Ω/M' 48.2Ω/km	50	69%	102	31	220	67
20 AWG Stranded (7x28) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Enerfoil • 22 AWG Stranded TC Drain Wire																	
Semi-rigid PVC Insulation • Overall Chrome PVC Jacket																	
UL AWM Style 2464 (300V 80°C)	**400274**	2	Red & Black, Green & White	U-152.4 304.8	U-500 1000	12.3 24.1	27.0 53.0	7.62 Insulation Thickness: .25 Jacket Thickness: 1.04	.300 .010 .041					180	55	312	95
 Enerfold®																	
20 AWG Stranded (10x30) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Enerfoil • 22 AWG Stranded TC Drain Wire																	
Polypropylene Insulation • Black High-density Polyethylene Jacket																	
Direct Burial 350V	**400275**	3	See Chart 1	152.4 304.8	500 1000	12.8 25.5	28.0 56.0	8.64	.340	8.3Ω/M' 27.2Ω/km	6.4Ω/M' 21.0Ω/km	50	66%	98	30	180	55
	**400276**	6	See Chart 1	152.4 304.8	500 1000	25.8 49.7	56.5 109.0	11.56	.455	8.3Ω/M' 27.2Ω/km	6.4Ω/M' 21.0Ω/km	50	66%	98	30	180	55

DCR = DC Resistance • TC = Tinned Copper
† Spools and/or UnRoll® cartons are one piece, but length may vary ±10% for spools and ±5% for UnRoll from length show.

Enelar is an Innovcable trademark.

Individually Shielded

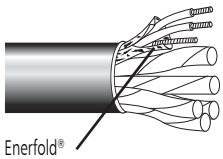
Audio, Control and Instrumentation Cables

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/ m	* pF/ Ft.	** pF/ m	** pF/ Ft.

20 AWG Stranded (7x28) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Enerfoil® • 22 AWG Stranded TC Drain Wire

Polyethylene Insulation • Overall Chrome PVC Jacket

UL AWM Style 2919 (30V 80°C)



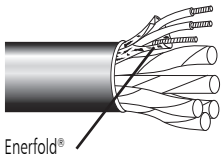
Enerfold®

Part No.	Pairs	Color Code	m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.	Imp. (Ω)	Vel. of Prop.	* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
400277	3	See Chart 1	30.5	100	3.2	7.0	8.66	.341	14.0Ω/M′	10.5Ω/M′	50	66%	98	30	180	55
			76.2	250	7.8	17.3			45.9Ω/km	34.4Ω/km						
			152.4	500	15.2	33.5										
			304.8	1000	30.0	66.0										
400278	6	See Chart 1	30.5	100	6.0	13.1	11.30	.445	14.0Ω/M′	10.5Ω/M′	50	66%	98	30	180	55
			76.2	250	14.1	31.0			45.9Ω/km	34.4Ω/km						
			152.4	500	28.4	62.5										
			304.8	1000	56.8	125.0										
400279	9	See Chart 1	30.5	100	9.0	19.7	14.10	.555	14.0Ω/M′	10.5Ω/M′	50	66%	98	30	180	55
			152.4	500	44.3	97.5			45.9Ω/km	34.4Ω/km						
			304.8	1000	85.5	188.0										
400280	11	See Chart 1	304.8	1000	100.0	220.0	15.24	.600	14.0Ω/M′	10.5Ω/M′	50	66%	98	30	180	55
									45.9Ω/km	34.4Ω/km						
400281	12	See Chart 1	30.5	100	11.0	24.1	15.67	.617	14.0Ω/M′	10.5Ω/M′	50	66%	98	30	180	55
			152.4	500	54.1	119.0			45.9Ω/km	34.4Ω/km						
			304.8	1000	107.7	237.0										
400282	15	See Chart 1	152.4	500	66.4	146.0	17.50	.689	14.0Ω/M′	10.5Ω/M′	50	66%	98	30	180	55
			304.8	1000	134.5	296.0			45.9Ω/km	34.4Ω/km						

18 AWG Stranded (19x30) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Enerfoil • 20 AWG Stranded TC Drain Wire

Polyethylene Insulation • Chrome PVC Jacket

UL AWM Style 2919 (30V 80°C)



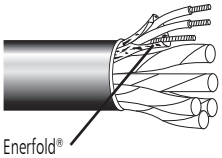
Enerfold®

Part No.	Pairs	Color Code	m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.	Imp. (Ω)	Vel. of Prop.	* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
400283	3	See Chart 1	30.5	100	4.3	9.4	10.26	.404	8.3Ω/M′	6.4Ω/M′	50	66%	98	30	180	55
			152.4	500	20.7	45.5			27.2Ω/km	21.0Ω/km						
			304.8	1000	42.3	93.0										
400284	6	See Chart 1	30.5	100	8.8	19.4	14.22	.560	8.3Ω/M′	6.4Ω/M′	50	66%	98	30	180	55
			152.4	500	43.4	95.5			27.2Ω/km	21.0Ω/km						
			304.8	1000	85.9	189.0										
400285	9	See Chart 1	30.5	100	12.1	26.6	16.64	.655	8.3Ω/M′	6.4Ω/M′	50	66%	98	30	180	55
			152.4	500	60.0	132.0			27.2Ω/km	21.0Ω/km						
			304.8	1000	118.2	260.0										
400286	12	See Chart 1	30.5	100	14.8	32.6	18.67	.735	8.3Ω/M′	6.4Ω/M′	50	66%	98	30	180	55
			152.4	500	78.0	171.5			27.2Ω/km	21.0Ω/km						
			304.8	1000	149.1	328.0										
400287	15	See Chart 1	30.5	100	19.8	43.5	20.8	.819	8.3Ω/M′	6.4Ω/M′	50	66%	98	30	180	55
			152.4	500	95.0	209.0			27.2Ω/km	21.0Ω/km						
			304.8	1000	205.0	451.0										

DCR = DC Resistance • TC = Tinned Copper

Individually Shielded Pairs with Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232, EIA RS-422 and Digital Audio Applications

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
24 AWG Stranded (7x32) • TC • Twisted Pairs Individually Enerfoil® Shielded + Overall 100% Enerfoil + 65% TC Braid Shield • Drain Wire*																	
Enerlene® Insulation • Chrome PVC Jacket																	
UL AWM Style 2493 (60°C) VW-1  Enerfold®	**400288**	2	See Chart 1	30.5 152.4 304.8	100 500 1000	2.8 13.6 25.9	6.2 30.0 57.0	8.71	.343	Individual: 18.0Ω/M' 59.1Ω/km Overall: 4.3Ω/M' 14.1Ω/km	24.0Ω/M' 78.7Ω/km	100	78%	41	12.5	72.2	22
	400289	3	See Chart 1	30.5 152.4 304.8	100 500 1000	3.2 15.5 30.0	7.0 34.0 66.0	9.12	.359	Individual: 18.0Ω/M' 59.1Ω/km Overall: 4.4Ω/M' 14.4Ω/km	24.0Ω/M' 78.7Ω/km	100	78%	41	12.5	72.2	22
	400290	4	See Chart 1	30.5 152.4 304.8	100 500 1000	3.7 18.0 35.9	8.2 39.5 79.0	9.86	.388	Individual: 18.0Ω/M' 59.1Ω/km Overall: 3.2Ω/M' 10.5Ω/km	24.0Ω/M' 78.7Ω/km	100	78%	41	12.5	72.2	22
	400291	5	See Chart 1	30.5 152.4 304.8	100 500 1000	4.1 20.5 40.5	9.0 45.0 89.0	10.49	.413	Individual: 18.0Ω/M' 59.1Ω/km Overall: 3.4Ω/M' 11.2Ω/km	24.0Ω/M' 78.7Ω/km	100	78%	41	12.5	72.2	22
	400292	6	See Chart 1	30.5 152.4 304.8	100 500 1000	5.8 22.7 45.0	12.7 50.0 99.0	11.33	.446	Individual: 18.0Ω/M' 59.1Ω/km Overall: 2.8Ω/M' 9.2Ω/km	24.0Ω/M' 78.7Ω/km	100	78%	41	12.5	72.2	22
	400293	7	See Chart 1	152.4 304.8	500 1000	23.9 47.3	52.5 104.0	11.33	.446	Individual: 18.0Ω/M' 59.1Ω/km Overall: 2.8Ω/M' 9.2Ω/km	24.0Ω/M' 78.7Ω/km	100	78%	41	12.5	72.2	22

* 24 AWG stranded TC drain wire

DCR = DC Resistance • TC = Tinned Copper

Enerlene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

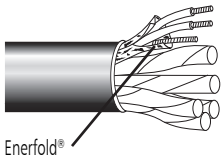
Individually Shielded Pairs with Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232, EIA RS-422 and Digital Audio Applications

24 AWG Stranded (7x32) • TC • Twisted Pairs Individually Enerfoil® Shielded + Overall 100% Enerfoil + 65% TC Braid Shield • Drain Wire*

Enerlene® Insulation • Chrome PVC Jacket

UL AWM Style 2493
(60°C)
VW-1



Enerfold®

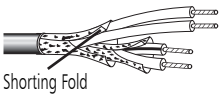
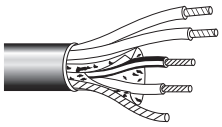
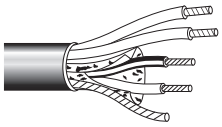
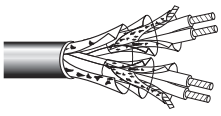
Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
	400294	8	See Chart 1	30.5 152.4 304.8	100 500 1000	5.7 28.0 52.3	12.5 61.5 115.0	12.17	.479	Individual: 18.0Ω/M' 59.1Ω/km Overall: 3.0Ω/M' 9.8Ω/km	24.0Ω/M' 78.7Ω/km	100	78%	41	12.5	72.2	22
	400295	10	See Chart 1	30.5 152.4 304.8	100 500 1000	9.0 37.7 74.5	19.7 83.0 164.0	14.83	.584	Individual: 18.0Ω/M' 59.1Ω/km Overall: 2.7Ω/M' 8.9Ω/km	24.0Ω/M' 78.7Ω/km	100	78%	41	12.5	72.2	22
	400296	15	See Chart 1	30.5 152.4 304.8	100 500 1000	11.0 48.9 95.5	24.3 107.5 210.0	16.89	.665	Individual: 18.0Ω/M' 59.1Ω/km Overall: 2.5Ω/M' 8.2Ω/km	24.0Ω/M' 78.7Ω/km	100	78%	41	12.5	72.2	22
	400297	18	See Chart 1	30.5 152.4 304.8	100 500 1000	12.0 53.2 108.2	26.3 117.0 238.0	17.42	.686	Individual: 18.0Ω/M' 59.1Ω/km Overall: 2.6Ω/M' 8.5Ω/km	24.0Ω/M' 78.7Ω/km	100	78%	41	12.5	72.2	22
	400298	25	See Chart 1	30.5 152.4 304.8	100 500 1000	15.5 73.0 161.8	34.0 160.5 356.0	20.88	.822	Individual: 18.0Ω/M' 59.1Ω/km Overall: 2.4Ω/M' 7.9Ω/km	24.0Ω/M' 78.7Ω/km	100	78%	41	12.5	72.2	22

* 24 AWG stranded TC drain wire

DCR = DC Resistance • TC = Tinned Copper

Combination Shields

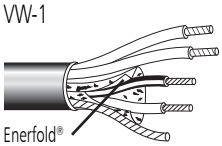
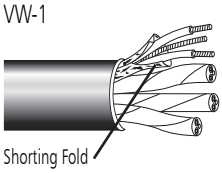
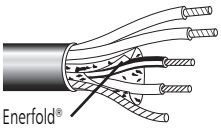
Special Audio, Communication and Instrumentation Cables

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	mm	Inch	mm	Inch	* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
25 AWG Stranded Conductors (7x33) • Tinned Copper • Overall 100% Enerfoil® Shield Coverage • 25 AWG Stranded TC Drain Wire																	
Polyethylene Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																	
400V 80°C	**400299**	2	Shielded: Red & Black	30.5	100	1.0	2.1	.33	.013	.51	.020	4.19	.165	82	25	131	40
 Shorting Fold			Unshielded: Green & White	152.4 U-304.8 304.8	500 U-1000 1000	3.2 5.9 6.4	7.0 13.0 14.0										
Red/Black pair 100% Enerfoil shielded with drain wire. 3 copper, 4 copper-covered steel strands in each conductor.																	
22 AWG Stranded Conductors (7x30) • Tinned Copper • One Pair 100% Enerfoil Shielded • Stranded Tinned Copper Drain Wire																	
PVC Insulation • Chrome PVC Jacket (Pair and Single Cabled)																	
300V RMS 90°C	**400300**	1.5 (1 pair +1 single)	Shielded: Black & White	U-304.8	U-1000	10.9	24.0	.33	.013	.81	.032	5.05	.199	197	60	325	99
 22 AWG drain wire			Unshielded: Brown														
Polypropylene Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																	
200V 80°C	**400301**†	2	Shielded: Red & Black	U-304.8 304.8	U-1000 1000	11.4 11.4	25.0 25.0	.20	.008	.76	.030	5.21	.205	111	34	220	67
 24 AWG drain wire			Unshielded: Green & White														
300V 80°C VW-1	**400302**†	2	Shielded: Red & Black	U-304.8 304.8	U-1000 1000	9.5 9.5	21.0 21.0	.20	.008	.48	.019	4.19	.165	112	34	220	67
 24 AWG drain wire			Unshielded: Green & White														
22 AWG Stranded Conductors (7x30) • Tinned Copper • Cabled in Pairs • Overall 100% Enerfoil Shield • 24 AWG Stranded TC Drain Wires																	
Polypropylene Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																	
UL AWM Style 2717 (80°C)	**400303**	2	Red & Black	U-152.4 152.4	U-500 500	6.8 7.0	15.0 15.5	.25	.010	.71	.028	5.46	.215	115	35	203	62
			Green & White	U-304.8 304.8	U-1000 1000	13.6 13.6	30.0 30.0										
Each pair Enerfoil shielded with individual drain wire plus polyester film over each shield.																	

TC = Tinned Copper
† Request Technical Support before planning high and low level circuits in the same cable.

Combination Shields

Special Audio, Communication and Instrumentation Cables

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	mm	Inch	mm	Inch	* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
20 AWG Stranded (7x28) • Tinned Copper • Conductors Cabled • 100% Enerfoil® Shield as noted • 20 or 22 AWG Stranded TC Drain Wire																	
Polyethylene Insulation • Chrome PVC Jacket																	
350V 80ºC	**400304**	1.5 (1 pair + 1 single)	Shielded: Black & Red Unshielded: Clear	304.8	1000	12.3	27.0	.36	.014	.71	.028	5.33	.210	85	26	157	48
 Enerfold®																	
Enerfoil shield over Red and Black pair only. Clear conductor is unshielded. 20 AWG drain wire.																	
PVC Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																	
350V 80ºC VW-1	**400305**	2	Shielded: Red & Black Unshielded: Green & White	U-152.4 152.4 U-304.8 304.8	U-500 500 U-100 1000	8.2 8.4 16.4 16.4	18.0 18.5 36.0 36.0	.38	.015	.71	.028	5.74	.226	197	60	325	99
 Enerfold®																	
Enerfoil shield over Red and Black conductors only. 22 AWG drain wire. Request Technical Support before planning high and low level circuits in the same cable.																	
Polypropylene Insulation • Chrome PVC Jacket (Cabled Around a Common Axis)																	
400V 105ºC VW-1	**400306**	4	Red & Black; Green & White; White/Red & White/Black; White/Green & White/Yellow	152.4 304.8	500 1000	17.3 33.6	38.0 74.0	.38	.015	.76	.030	8.76	.345	89	27	161	49
 Shorting Fold																	
Four groups of two conductors with drain wires, each group individually Enerfoil shielded with polyester tape wrap. 22 AWG drain wire.																	
20 and 18 AWG Stranded Conductors (7x28 and 16x30) • TC • 100% Enerfoil Shield over 20 AWG Pair • 22 AWG Stranded TC Drain Wire																	
Polyethylene Insulation • Beige PVC Jacket																	
UL AWM Style 2094 (300V 60ºC)	**400307**	2		152.4	500	11.2	24.5	.51	.020	.79	.031	6.65	.262	79	24	151	46
		1 Shld 20 (7x28)	Black & Red	U-304.8 304.8	U-1000 1000	21.4 21.8	47.0 48.0										
		1 Unshld 18 (16x30)	Green & White					.48	.019					72	22		
 Enerfold®																	
NEC Article 800																	
TC = Tinned Copper																	

Plenum-Rated

Unshielded

Audio, Control and Instrumentation Cables

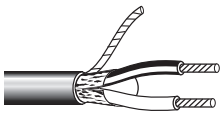
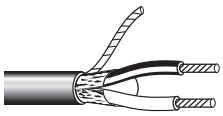
Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	mm	Inch	mm	Inch	* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pairs																	
Plenum • FEP Insulation • Red FEP Jacket																	
300V RMS, Non-conduit 	**400308**	1	Black & Red	30.5 152.4 304.8	100 500† 1000†	1.0 2.5 4.5	2.3 5.5 10.0	.15	.006	.30	.012	2.59	.102				
	400309	2	Black & Red, Black & White	152.4 304.8	500† 1000†	4.3 9.5	9.5 21.0	.15	.006	.30	.012	4.29	.169				
	400310	4	Black & Red, Black & White, Black & Green, Black & Blue	152.4 304.8	500† 1000†	7.3 15.0	16.0 33.0	.15	.006	.30	.012	5.08	.200				
Plenum • FEP Insulation • Natural Enerflame® Jacket																	
300V RMS, Non-conduit 	**400311**	1	Black & Red	U-304.8 304.8	U-1000† 1000†	37.7 38.2	83.0 84.0	.15	.006	.36	.014	2.84	.112				
	400312	2	Black & Red, Black & White	U-304.8 304.8	U-1000† 1000†	8.2 9.5	18.0 21.0	.15	.006	.36	.014	4.55	.179				
	400313	3	Black & Red, Black & White, Black & Green,	U-304.8 304.8	U-1000† 1000†	10.9 12.7	24.0 28.0	.15	.006	.36	.014	4.85	.191				
	400314	4	Black & Red, Black & White, Black & Green, Black & Blue	U-304.8 304.8	U-1000† 1000†	14.1 15.5	31.0 34.0	.15	.006	.36	.014	5.33	.210				
	400315	6	Black & Red, Black & White, Black & Green, Black & Blue Black & Yellow, Black & Brown	U-304.8 304.8	U-1000† 1000†	20.0 20.5	44.0 45.0	.15	.006	.36	.014	6.02	.237				
18 AWG Stranded Conductors (19x30) • Tinned Copper • Twisted Pair																	
Plenum • FEP Insulation • Red FEP Jacket																	
300V RMS, Non-conduit 	**400316**	1	Black & Red	30.5 152.4 304.8	100 500† 1000†	1.4 4.1 7.7	3.0 9.0 17.0	.17	.006	.23	.009	3.45	.136				
Plenum • FEP Insulation • Red Fluorocopolymer Jacket																	
300V RMS, Non-conduit 	**400317**	1	Black & Red	152.4 304.8	500† 1000†	4.1 7.7	9.0 17.0	.17	.006	.28	.011	3.56	.140				
Plenum • FEP Insulation • Natural Enerflame Jacket																	
300V RMS, Non-conduit 	**400318**	1	Black & Red	U-304.8 304.8	U-1000 1000†	7.7 8.2	17.0 18.0	.17	.006	.36	.014	3.71	.146				

† Spools and/or UnRoll® cartons are one piece, but length may vary ±10% for spools and ±5% for UnRoll from length shown.

Plenum-Rated

Overall Enerfoil® Shield

Computer Cables for EIA RS-232 Applications

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	mm	Inch	mm	Inch	* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
24 AWG Stranded Conductors (7x32) • Tinned Copper • Twisted Pairs • Overall 100% Enerfoil Shield • 24 AWG Stranded TC Drain Wire																	
Plenum • FEP Insulation • Red FEP Jacket																	
300V RMS, Non-conduit 	**400319**	1	Black & Red	30.5 152.4 304.8	100 500† 1000†	1.1 2.7 5.0	2.4 6.0 11.0	.15	.006	.36	.014	2.69	.106	102	31	194	59
	400320	3	Black & White, Black & Red, Black & Green	30.5 152.4 304.8	100 500† 1000†	1.8 5.5 10.5	4.0 12.0 23.0	.15	.006	.36	.014	4.45	.175	69	21	131	40
	400321	4	Black & White, Black & Red Black & Green Black & Blue	152.4 304.8	500† 1000†	6.6 14.1	14.5 31.0	.15	.006	.36	.014	4.88	.192	69	21	131	40
	400322	5	Black & White, Black & Red, Black & Green, Black & Blue, Black & Yellow	30.5 304.8	100 1000†	2.2 15.9	4.9 35.0	.15	.006	.36	.014	5.00	.197	69	21	131	40
Plenum • FEP Insulation • Natural Enerflame® Jacket																	
300V RMS, Non-conduit 	**400323**	1	Black & Red	U-304.8 304.8	U-1000† 1000†	4.1 4.5	9.0 10.0	.15	.006	.36	.014	2.69	.106	102	31	194	59
	400324	2	Black & White, Black & Red	U-152.4 U-304.8 304.8	U-500† U-1000† 1000†	3.6 6.8 7.3	8.0 15.0 16.0	.15	.006	.36	.014	4.11	.162	82	25	148	45
	400325	3	Black & White, Black & Red, Black & Green	U-304.8 304.8	U-1000† 1000†	8.6 9.1	19.0 20.0	.15	.006	.36	.014	4.29	.169	82	25	148	45
	400326	4	Black & White, Black & Red, Black & Green, Black & Blue	U-304.8 304.8	U-1000† 1000†	10.9 12.3	24.0 27.0	.15	.006	.36	.014	4.90	.193	82	25	148	45
	400327	5	See Chart 1	U-304.8 304.8	U-1000† 1000†	13.6 15.0	30.0 33.0	.15	.006	.38	.015	4.98	.196	82	25	148	45
	400328	6	See Chart 1	U-152.4 U-304.8 304.8	U-500† U-1000† 1000†	8.0 15.5 16.8	17.5 34.0 37.0	.15	.006	.38	.015	5.31	.209	82	25	148	45
	400329	9	See Chart 1	304.8	1000†	22.3	49.0	.15	.006	.38	.015	6.25	.246	75	23	138	42
	400330	12.5 (12 pairs + 1 single)	See Chart 1	304.8	1000†	27.3	60.0	.15	.006	.38	.015	7.06	.278	75	23	138	42

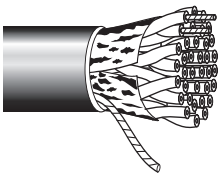
TC = Tinned Copper

† Spools and/or UnRoll® cartons are one piece, but length may vary ±10% for spools and ±5% for UnRoll from length shown.

Plenum-Rated

Overall Enerfoil® Shield

Low-Capacitance Computer Cables for EIA RS-232, EIA RS-422 and EIA RS-485 Applications

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
24 AWG Stranded Conductors (7x32) • Tinned Copper • Twisted Pairs • Overall 100% Enerfoil Shield • 24 AWG Stranded TC Drain Wire																	
Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket																	
300V RMS, Non-conduit 	**400331**	2	See Chart 3	152.4 304.8	500† 1000†	5.5 10.9	12.0 24.0	5.16	.203	15.5Ω/M' 50.9Ω/km	24.0Ω/M' 78.7Ω/km	100	78%	42.5	12.95	76.4	23.3
	400332	3	See Chart 3	152.4 304.8	500† 1000†	7.0 14.1	15.5 31.0	6.07	.239	15.5Ω/M' 50.9Ω/km	24.0Ω/M' 78.7Ω/km	100	78%	42.5	12.95	76.4	23.3
	400333	4	See Chart 3	152.4 304.8	500† 1000†	8.6 17.3	19.0 38.0	6.58	.259	14.0Ω/M' 45.9Ω/km	24.0Ω/M' 78.7Ω/km	100	78%	42.5	12.95	76.4	23.3
	400334	5	See Chart 3	152.4 304.8	500† 1000†	11.4 20.0	25.0 44.0	6.78	.267	14.0Ω/M' 45.9Ω/km	24.0Ω/M' 78.7Ω/km	100	78%	42.5	12.95	76.4	23.3
	400335	6	See Chart 3	152.4 304.8	500† 1000†	12.7 22.7	28.0 50.0	7.44	.293	14.0Ω/M' 45.9Ω/km	24.0Ω/M' 78.7Ω/km	100	78%	42.5	12.95	76.4	23.3
	400336	7.5 (7 pairs +1 single)	See Chart 3	152.4 304.8	500† 1000†	14.8 26.8	32.5 59.0	7.44	.293	14.0Ω/M' 45.9Ω/km	24.0Ω/M' 78.7Ω/km	100	78%	42.5	12.95	76.4	23.3
	400337	9	See Chart 3	152.4 304.8	500† 1000†	16.6 33.6	36.5 74.0	8.94	.352	13.0Ω/M' 42.7Ω/km	24.0Ω/M' 78.7Ω/km	100	78%	42.5	12.95	76.4	23.3
	400338	12.5 (12 pairs +1 single)	See Chart 3	152.4 304.8	500† 1000†	21.8 44.1	48.0 97.0	10.08	.397	11.8Ω/M' 38.7Ω/km	24.0Ω/M' 78.7Ω/km	100	78%	42.5	12.95	76.4	23.3
	400339	18.5 (18 pairs +1 single)	See Chart 3	152.4 304.8	500† 1000†	30.2 67.3	66.5 148.0	12.24	.482	11.0Ω/M' 36.1Ω/km	24.0Ω/M' 78.7Ω/km	100	78%	42.5	12.95	76.4	23.3
	400340	25	See Chart 3	152.4 304.8	500† 1000†	44.5 88.6	98.0 195.0	14.76	.581	9.6Ω/M' 31.5Ω/km	24.0Ω/M' 78.7Ω/km	100	78%	42.5	12.95	76.4	23.3

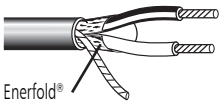
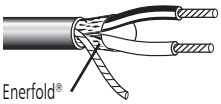
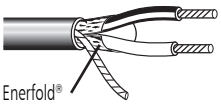
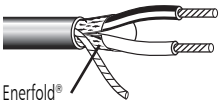
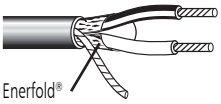
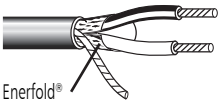
DCR = DC Resistance • TC = Tinned Copper

† Spools are one piece, but length may vary ±10% from length shown.

Plenum-Rated

Overall Enerfoil® Shield

Audio, Control and Instrumentation Cables

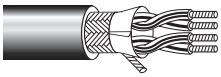
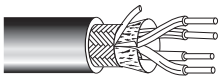
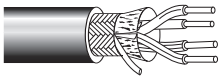
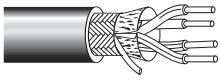
Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	mm	Inch	mm	Inch	* pF/ m	* pF/ Ft.	** pF/ m	** pF/ Ft.
22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pair • Overall 100% Enerfoil Shield • 22 AWG Stranded TC Drain Wire																	
Plenum • FEP Insulation • Red FEP Jacket																	
300V RMS, Non-conduit	**400341**	1	Black, Red	30.5	100	1.2	2.7	.15	.006	.36	.014	2.95	.116	115	35	220	67
				U-152.4	U-500	3.2	7.0										
				152.4	500†	3.4	7.5										
				U-304.8	U-1000	5.9	13.0										
				304.8	1000†	6.4	14.0										
 Enerfold®																	
Plenum • FEP Insulation • Red Fluorocopolymer Jacket																	
300V RMS, Non-conduit	**400342**	1	Black, Red	152.4	500†	3.2	7.0	.15	.006	.36	.014	2.95	.116	115	35	220	67
				304.8	1000†	5.9	13.0										
 Enerfold®																	
Plenum • FEP Insulation • Natural Enerflame® Jacket																	
300V RMS, Non-conduit	**400343**	1	Black, Red	U-152.4	U-500†	3.0	6.5	.15	.006	.36	.014	2.95	.116	115	35	220	67
				U-304.8	U-1000†	5.5	12.0										
				304.8	1000†	5.9	13.0										
 Enerfold®																	
18 AWG Stranded Conductors (19x30) • Tinned Copper • Twisted Pair • Overall 100% Enerfoil Shield • 20 AWG Stranded TC Drain Wire																	
Plenum • FEP Insulation • Red FEP Jacket																	
300V RMS, Non-conduit	**400344**	1	Black, Red	30.5	100	1.7	3.7	.18	.007	.36	.014	3.81	.150	167	51	318	97
				U-152.4	U-500	5.7	12.5										
				152.4	500†	5.9	13.0										
				U-304.8	U-1000	10.9	24.0										
				304.8	1000†	10.9	24.0										
 Enerfold®																	
Plenum • FEP Insulation • Red Fluorocopolymer Jacket																	
300V RMS, Non-conduit	**400345**	1	Black, Red	U-152.4	U-500	5.5	12.0	.18	.007	.36	.014	3.81	.150	167	51	318	97
				152.4	500†	5.7	12.5										
				304.8	1000†	10.5	23.0										
 Enerfold®																	
Plenum • FEP Insulation • Natural Enerflame Jacket																	
300V RMS, Non-conduit	**400346**	1	Black, Red	U-152.4	U-500†	5.2	11.5	.18	.007	.36	.014	3.81	.150	167	51	318	97
				U-304.8	U-1000†	10.0	22.0										
				304.8	1000†	10.5	23.0										
 Enerfold®																	

TC = Tinned Copper
† Spools and/or UnRoll® cartons are one piece, but length may vary ±10% for spools and ±5% for UnRoll from length shown.

Plenum-Rated

Overall Foil/Braid Shield

Low-Capacitance Computer and Computer P.O.S. Cables

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
Low Cap 24 AWG Stranded (7x32) • TC • Twisted Pairs • Overall 100% Enerfoil® + 90% TC Braid Shield • 24 AWG Stranded TC Drain Wire																	
Plenum • Foam FEP Insulation • Natural Enerflame® Jacket																	
300V RMS, Non-conduit 	**400347**	1	See Chart 3	152.4 304.8	500 1000	7.3 12.7	16.0 28.0	5.18	.204	3.1Ω/M' 10.2Ω/km	24.0Ω/M' 78.7Ω/km	120	76%	39.4	12	72.2	22
300V RMS, Non-conduit 	**400348**	2	See Chart 3	152.4 304.8	500 1000	9.5 19.1	21.0 42.0	6.93	.273	2.4Ω/M' 7.9Ω/km	24.0Ω/M' 78.7Ω/km	120	76%	39.4	12	72.2	22
Plenum • Foam FEP Insulation • Red FEP Jacket																	
300V RMS, Non-conduit 	**400349**	1	See Chart 3	152.4 304.8	500 1000	7.0 13.2	15.5 29.0	5.13	.202	3.1Ω/M' 10.2Ω/km	24.0Ω/M' 78.7Ω/km	120	76%	39.4	12	72.2	22
22 AWG Solid • Tinned Copper • Twisted Pairs • Overall 100% Enerfoil + 90% TC Braid Shield • 22 AWG Solid TC Drain Wire																	
Plenum • Solid FEP Insulation • Black FEP Jacket																	
300V RMS, Non-conduit 	**400350**	2	Red & Blue, Black & Yellow	304.8	1000†	21.8	48.0	6.10	.240	2.1Ω/M' 6.9Ω/km	16.5Ω/M' 54.1Ω/km	100	69.5%	50.9	15.5	88.6	27
22 AWG Solid • Tinned Copper • Twisted Pairs • Overall 100% Enerfoil + 55% TC Braid Shield plus Polyester Tape • 22 AWG Solid TC Drain Wire																	
Plenum • Solid FEP Insulation • Black FEP Jacket																	
300V RMS, Non-conduit 	**400351**	2	1 Pair: Red & Blue 1 Pair: Black & Yellow	152.4 304.8	500† 1000†	10.9 19.1	24.0 42.0	6.91	.272	4.9Ω/M' 16.1Ω/km	16.5Ω/M' 54.1Ω/km	100	69.5%	50.9	15.5	88.6	27
22 AWG Solid • Bare Copper • Twisted Pairs • Overall 100% Enerfoil + 55% TC Braid Shield • 22 AWG Solid TC Drain Wire																	
Plenum • Solid FEP Insulation • Black FEP Jacket																	
300V RMS, Non-conduit 	**400352**	2	1 Pair: Blue & White with Blue Stripe 1 Pair: Orange & White with Orange Stripe	152.4 304.8	500† 1000†	11.4 21.4	25.0 47.0	6.65	.262	4.2Ω/M' 13.8Ω/km	16.5Ω/M' 54.1Ω/km	100	69.5%	50.9	15.5	88.6	27

DCR = DC Resistance • TC = Tinned Copper

† Spools are one piece, but length may vary ±10% from length shown.

Plenum-Rated

Individually Shielded Pairs

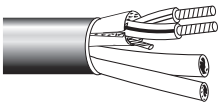
Low-Capacitance Computer Cables for EIA RS-232, EIA RS-422 and Digital Audio Applications

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/ m	* pF/ Ft.	** pF/ m	** pF/ Ft.

24 AWG Stranded (7x32) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Enerfoil® • 24 AWG Stranded TC Drain Wire

Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket

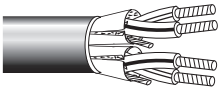
300V RMS, Non-conduit



Part No.	No. of Pairs	Color Code	Standard Lengths m	Standard Lengths Ft.	Standard Unit Weight kg	Standard Unit Weight Lbs.	Nominal OD mm	Nominal OD Inch	Nominal DCR Shield	Nominal DCR Cond.	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance * pF/ m	* pF/ Ft.	** pF/ m	** pF/ Ft.
400353	2	See Chart 3	152.4 304.8	500† 1000†	8.4 14.1	18.5 31.0	6.63	.261	14.4Ω/M' 47.2Ω/km	23.3Ω/M' 76.4Ω/km	100	78%	44	13.5	73.8	22.5
400354	3	See Chart 3	152.4 304.8	500† 1000†	10.5 18.2	23.0 40.0	7.06	.278	14.4Ω/M' 47.2Ω/km	23.3Ω/M' 76.4Ω/km	100	78%	44	13.5	73.8	22.5
400355	4	See Chart 3	152.4 304.8	500† 1000†	12.0 22.7	26.5 50.0	7.80	.307	14.4Ω/M' 47.2Ω/km	23.3Ω/M' 76.4Ω/km	100	78%	44	13.5	73.8	22.5
400356	5	See Chart 3	152.4 304.8	500† 1000†	13.9 28.2	30.5 62.0	8.31	.327	14.4Ω/M' 47.2Ω/km	23.3Ω/M' 76.4Ω/km	100	78%	44	13.5	73.8	22.5
400357	6	See Chart 3	152.4 304.8	500† 1000†	15.9 32.3	35.0 71.0	9.17	.361	14.4Ω/M' 47.2Ω/km	23.3Ω/M' 76.4Ω/km	100	78%	44	13.5	73.8	22.5
400358	7	See Chart 3	152.4 304.8	500† 1000†	18.0 36.4	39.5 80.0	9.17	.361	14.4Ω/M' 47.2Ω/km	23.3Ω/M' 76.4Ω/km	100	78%	44	13.5	73.8	22.5
400359	9	See Chart 3	304.8	1000†	48.2	106.0	10.90	.429	14.4Ω/M' 47.2Ω/km	23.3Ω/M' 76.4Ω/km	100	78%	44	13.5	73.8	22.5
400360	12	See Chart 3	152.4 304.8	500† 1000†	32.3 63.6	71.0 140.0	12.65	.498	14.4Ω/M' 47.2Ω/km	23.3Ω/M' 76.4Ω/km	100	78%	44	13.5	73.8	22.5
400361	18	See Chart 3	152.4 304.8	500† 1000†	45.7 92.7	100.5 204.0	15.65	.616	14.4Ω/M' 47.2Ω/km	23.3Ω/M' 76.4Ω/km	100	78%	44	13.5	73.8	22.5

Plenum • Foam FEP Insulation • Natural Enerflame® Jacket

300V RMS, Non-conduit

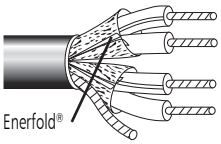
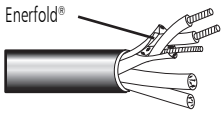
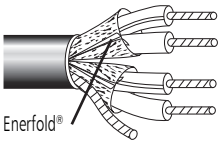
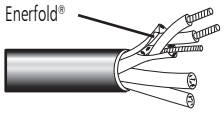
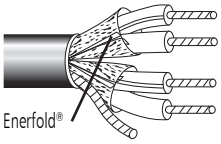
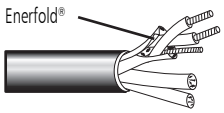


Part No.	No. of Pairs	Color Code	Standard Lengths m	Standard Lengths Ft.	Standard Unit Weight kg	Standard Unit Weight Lbs.	Nominal OD mm	Nominal OD Inch	Nominal DCR Shield	Nominal DCR Cond.	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance * pF/ m	* pF/ Ft.	** pF/ m	** pF/ Ft.
400362	2	See Chart 3	U-304.8 304.8	U-1000 1000†	12.3 12.7	27.0 28.0	6.48	.255	14.4Ω/M' 47.2Ω/km	23.3Ω/M' 76.4Ω/km	100	78%	44	13.5	73.8	22.5

DCR = DC Resistance • TC = Tinned Copper
† Spools are one piece, but length may vary ±10% from length shown.

Plenum-Rated

Individually Shielded Pairs
Audio, Control and Instrumentation Cables

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				m	Ft.	kg	Lbs.	mm	Inch	Shield	Cond.			* pF/m	* pF/Ft.	** pF/m	** pF/Ft.
22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pairs • Individually Shielded 100% Enerfoil® • 22 AWG Stranded TC Drain Wire††																	
Plenum • Enelar® Insulation • Natural Enerflame® Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																	
300V RMS, Non-conduit	**400363**	2	Red & Black, Green & White	U-152.4 U-304.8 304.8 U-609.6	U-500† U-1000 1000† U-2000†	4.5 8.6 9.1 17.3	10.0 19.0 20.0 38.0	3.76	.148	16.6Ω/M' 54.5Ω/km	14.7Ω/M' 48.2Ω/km	36	62%	141	43	246	75
																	
†† This cable has 24 AWG drain wire Pairs cabled on common axis to reduce diameter.																	
300V RMS, Non-conduit	**400364**	3	See Chart 1	U-152.4 U-304.8 304.8	U-500† U-1000 1000†	8.6 17.3 17.7	19.0 38.0 39.0	5.94	.234	11.3Ω/M' 37.1Ω/km	14.7Ω/M' 48.2Ω/km	46	62%	115	35	249	76
	**400365**	6	See Chart 1	304.8	1000†	30.5	67.0	8.38	.330	11.3Ω/M' 37.1Ω/km	14.7Ω/M' 48.2Ω/km	46	62%	115	35	249	76
Plenum • FEP Insulation • Red FEP Jacket																	
300V RMS, Non-conduit	**400366**	2	Red & Black, Green & White	30.5 152.4 304.8	100 500 1000	1.5 5.0 9.5	3.4 11.0 21.0	3.76	.148	16.6Ω/M' 54.5Ω/km	14.7Ω/M' 48.2Ω/km	40	69%	115	35	220	67
																	
†† This cable has 24 AWG drain wire																	
300V RMS, Non-conduit	**400367**	3	See Chart 1	30.5 152.4 304.8	100 500† 1000†	2.7 9.5 19.1	6.0 21.0 42.0	5.94	.234	11.3Ω/M' 37.1Ω/km	14.7Ω/M' 48.2Ω/km	50	69%	102	31	220	67
	**400368**	6	See Chart 1	30.5 152.4 304.8	100 500† 1000†	4.0 18.2 34.1	8.8 40.0 75.0	7.85	.309	11.3Ω/M' 37.1Ω/km	14.7Ω/M' 48.2Ω/km	50	69%	102	31	220	67
Pairs cabled on common axis to reduce diameter.																	
Plenum • FEP Insulation • Red Fluorocopolymer Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																	
300V RMS, Non-conduit	**400369**	2	Red & Black, Green & White	152.4 304.8	500† 1000†	5.0 9.1	11.0 20.0	3.76	.148	16.6Ω/M' 54.5Ω/km	14.7Ω/M' 48.2Ω/km	40	69%	115	35	220	67
																	
†† This cable has 24 AWG drain wire																	
300V RMS, Non-conduit	**400370**	3	See Chart 1	152.4 304.8	500† 1000†	9.1 18.2	20.0 40.0	5.94	.234	11.3Ω/M' 37.1Ω/km	14.7Ω/M' 48.2Ω/km	50	69%	102	31	220	67
	**400371**	6	See Chart 1	152.4 304.8	500† 1000†	17.0 33.2	37.5 73.0	7.85	.309	11.3Ω/M' 37.1Ω/km	14.7Ω/M' 48.2Ω/km	50	69%	102	31	220	67
Pairs cabled on common axis to reduce diameter.																	

DCR = DC Resistance • TC = Tinned Copper
† Spools and/or UnRoll® cartons are one piece, but length may vary ±10% for spools and ±5% for UnRoll from length show.

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Color Code Charts

Chart 1

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

Chart 2

Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination
1	White & Blue	6	Red & Blue	11	Black & Blue	16	Yellow & Blue	21	Violet & Blue
2	White & Orange	7	Red & Orange	12	Black & Orange	17	Yellow & Orange	22	Violet & Orange
3	White & Green	8	Red & Green	13	Black & Green	18	Yellow & Green	23	Violet & Green
4	White & Brown	9	Red & Brown	14	Black & Brown	19	Yellow & Brown	24	Violet & Brown
5	White & Gray	10	Red & Gray	15	Black & Gray	20	Yellow & Gray	25	Violet & Gray

Chart 3

Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination
1	White/Blue Stripe & Blue/White Stripe	6	Red/Blue Stripe & Blue/Red Stripe	11	Black/Blue Stripe & Blue/Black Stripe	16	Yellow/Blue Stripe & Blue/Yellow Stripe	21	Purple/Blue Stripe & Blue/Purple Stripe
2	White/Orange Stripe & Orange/White Stripe	7	Red/Orange Stripe & Orange/Red Stripe	12	Black/Orange Stripe & Orange/Black Stripe	17	Yellow/Orange Stripe & Orange/Yellow Stripe	22	Purple/Orange Stripe & Orange/Purple Stripe
3	White/Green Stripe & Green/White Stripe	8	Red/Green Stripe & Green/Red Stripe	13	Black/Green Stripe & Green/Black Stripe	18	Yellow/Green Stripe & Green/Yellow Stripe	23	Purple/Green Stripe & Green/Purple Stripe
4	White/Brown Stripe & Brown/White Stripe	9	Red/Brown Stripe & Brown/Red Stripe	14	Black/Brown Stripe & Brown/Black Stripe	19	Yellow/Brown Stripe & Brown/Yellow Stripe	24	Purple/Brown Stripe & Brown/Purple Stripe
5	White/Gray Stripe & Gray/White Stripe	10	Red/Gray Stripe & Gray/Red Stripe	15	Black/Gray Stripe & Gray/Black Stripe	20	Yellow/Gray Stripe & Gray/Yellow Stripe	25	Purple/Gray Stripe & Gray/Purple Stripe