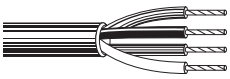
Plenum-Rated

Unshielded

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm
22 AWG Stranded (7x30) Tinned Copper Conductors • Conductors Cabled														
Plenum • FEP Insulation • Red FEP Jacket														
300V RMS 	**88444**	NEC: CMP CEC: CMP FT6	4	Black, White, Red, Green	100 500† 1000†	30.5 152.4 304.8	2.9 9.0 15.0	1.3 4.1 6.8	.006	.15	.010	.25	.121	3.07
Suitable for Outdoor and Direct Burial applications.														
Plenum • FEP Insulation • Natural Flamarrest® Jacket														
300V RMS 	**82444**	NEC: CMP CEC: CMP FT6	4	Black, White, Red, Green	U-500† U-1000† 1000†	U-152.4 U-304.8 304.8	9.0 16.0 15.0	4.1 7.3 6.8	.006	.15	.015	.38	.134	3.40
22 AWG Stranded (7x30) Tinned Copper Conductors • Twisted Pairs														
Plenum • FEP Insulation • Red FEP Jacket														
300V RMS 	**88442**	NEC: CMP CEC: CMP FT6	2	Black, Red	100 500† 1000†	30.5 152.4 304.8	2.3 5.5 8.0	1.0 2.5 3.7	.006	.15	.012	.30	.102	2.59
Suitable for Outdoor and Direct Burial applications.														
Plenum • FEP Insulation • Natural Flamarrest Jacket														
300V RMS 	**82442**	NEC: CMP CEC: CMP FT6	2	Black, Red	U-1000† 1000†	U-304.8 304.8	9.0 8.0	4.1 3.7	.006	.15	.015	.38	.113	2.87
18 AWG Stranded (19x30) Tinned Copper Conductors • Conductors Cabled														
Plenum • FEP Insulation • Red FEP Jacket														
300V RMS 	**88489**	NEC: CMP CEC: CMP FT6	4	Black, White, Red, Green	500† 1000†	152.4 304.8	14.5 29.0	6.6 13.2	.007	.18	.009	.23	.161	4.09
Suitable for Outdoor and Direct Burial applications.														
Plenum • FEP Insulation • Natural Flamarrest Jacket														
300V RMS 	**82489**	NEC: CMP CEC: CMP FT6	4	Black, White, Red, Green	U-1000† 1000†	U-304.8 304.8	31.0 29.0	14.1 13.2	.007	.18	.014	.36	.170	4.32

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

Plenum-Rated

Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
18 AWG Stranded (19x30) TC Conductors • Conductors Cabled • Overall Beldfoil Shield (100% Coverage) • 20 AWG Stranded TC Drain Wire																		
Plenum • FEP Insulation • Red FEP Jacket																		
300V RMS 	**88770**	NEC: CMP CEC: CMP FT6	3	Black, White, Red	500† 1000†	152.4 304.8	16.0 32.0	7.3 14.6	.007	.18	.014	.36	.161	4.09	54	177	96	315
	89418	NEC: CMP CEC: CMP FT6	4	Black, White, Red, Green	100 500† 1000†	30.5 152.4 304.8	5.5 18.0 36.0	2.5 8.2 16.4	.007	.18	.014	.36	.177	4.50	30	98	57	187
Suitable for Outdoor and Direct Burial applications.																		
Plenum • FEP Insulation • Natural Flamarrest® Jacket																		
300V RMS 	**82418**	NEC: CMP CEC: CMP FT6	4	Black, White, Red, Green	U-1000†† 1000†	U-304.8 304.8	36.0 38.0	16.4 17.3	.007	.18	.014	.36	.176	4.47	30	98	63	207
Suitable for Outdoor applications.																		

TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
†Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.
††Length may vary 0 to -10%.

Plenum-Rated

Overall Foil/Braid Shield
Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 AWG Stranded (7x32) TC Conductors • Conductors Cabled • Overall Beldfoil® (100% Coverage) + TC Braid Shield (85% Coverage)																		
Plenum • FEP Insulation • Red FEP Jacket																		
300V RMS 	**83503**	NEC: CMP CEC: CMP FT6	3	See Chart 2 (Tech Info Section)	500† 1000†	152.4 304.8	9.5 16.0	4.3 7.3	.006	.15	.014	.36	.135	3.43	20	66	36	118
	83504	NEC: CMP CEC: CMP FT6	4	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	3.5 10.0 20.0	1.6 4.6 9.1	.006	.15	.014	.36	.144	3.66	20	66	36	118
	83506	NEC: CMP CEC: CMP FT6	6	See Chart 2 (Tech Info Section)	500† 1000†	152.4 304.8	13.0 26.0	6.0 11.9	.006	.15	.014	.36	.165	4.19	20	66	36	118
	83509	NEC: CMP CEC: CMP FT6	9	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	5.3 17.0 38.0	2.4 7.8 17.3	.006	.15	.014	.36	.188	4.78	20	66	36	118
	83512	NEC: CMP CEC: CMP FT6	12	See Chart 2 (Tech Info Section)	500† 1000†	152.4 304.8	21.0 45.0	9.6 20.4	.006	.15	.014	.36	.207	5.26	20	66	36	118
	83515	NEC: CMP CEC: CMP FT6	15	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	7.2 25.0 53.0	3.3 11.4 24.1	.006	.15	.014	.36	.227	5.77	20	66	36	118
Suitable for Outdoor and Direct Burial applications.																		
22 AWG Stranded (7x30) TC Conductors • Conductors Cabled • Overall Beldfoil (100% Coverage) + TC Braid Shield (85% Coverage)																		
Plenum • FEP Insulation • Red FEP Jacket																		
300V RMS 	**83552**	NEC: CMP CEC: CMP FT6	2	See Chart 2 (Tech Info Section)	500† 1000†	152.4 304.8	8.0 16.0	3.7 7.3	.006	.15	.014	.36	.141	3.58	23	75	40	131
	83553	NEC: CMP CEC: CMP FT6	3	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	3.5 11.5 20.0	1.6 5.2 9.1	.006	.15	.014	.36	.148	3.76	23	75	40	131
	83554	NEC: CMP CEC: CMP FT6	4	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	4.0 12.5 25.0	1.8 5.7 11.4	.006	.15	.014	.36	.159	4.04	23	75	40	131
	83556	NEC: CMP CEC: CMP FT6	6	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	5.2 16.5 36.0	2.4 7.5 16.3	.006	.15	.014	.36	.183	4.65	23	75	40	131
	83559	NEC: CMP CEC: CMP FT6	9	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	6.8 23.0 50.0	3.1 10.5 22.7	.006	.15	.014	.36	.209	5.31	23	75	40	131
	83562	NEC: CMP CEC: CMP FT6	12	See Chart 2 (Tech Info Section)	500† 1000†	152.4 304.8	28.5 60.0	13.0 27.2	.006	.15	.015	.38	.234	5.94	23	75	40	131
	83569	NEC: CMP CEC: CMP FT6	19	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	9.6 44.0 85.0	4.4 20.0 38.6	.006	.15	.015	.38	.269	6.83	23	75	40	131
Suitable for Outdoor and Direct Burial applications.																		

*Capacitance between conductors. **Capacitance between one conductor and other conductors connected to shield.
†Spools are one piece, but length may vary ±10% from length shown.

TC = Tinned Copper

Plenum-Rated

Overall Foil/Braid Shield

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
20 AWG Stranded (7x28) TC Conductors • Conductors Cabled • Overall Beldfoil® (100% Coverage) + TC Braid Shield (85% Coverage)																		
Plenum • FEP Insulation • Red FEP Jacket																		
300V RMS 	**83602**	NEC: CMP CEC: CMP FT6	2	See Chart 2 (Tech Info Section)	500† 1000†	152.4 304.8	11.0 22.0	5.0 10.0	.006	.15	.014	.36	.157	3.99	26	85	51	167
	83604	NEC: CMP CEC: CMP FT6	4	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	5.1 16.0 32.0	2.3 7.3 14.6	.006	.15	.014	.36	.178	4.52	26	85	51	167
	83606	NEC: CMP CEC: CMP FT6	6	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	6.2 21.5 47.0	2.8 9.8 21.3	.006	.15	.014	.36	.207	5.26	26	85	51	167
	83609	NEC: CMP CEC: CMP FT6	9	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	8.2 30.0 63.0	3.7 13.7 28.6	.006	.15	.014	.36	.238	6.05	26	85	51	167
	83612	NEC: CMP CEC: CMP FT6	12	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	7.8 35.0 67.0	3.5 15.9 30.4	.006	.15	.014	.36	.265	6.73	26	85	51	167
Suitable for Outdoor and Direct Burial applications.																		
18 AWG Stranded (19x30) TC Conductors • Conductors Cabled • Overall Beldfoil (100% Coverage) + TC Braid Shield (85% Coverage)																		
Plenum • FEP Insulation • Red FEP Jacket																		
300V RMS 	**83652**	NEC: CMP CEC: CMP FT6	2	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	4.6 13.5 27.0	2.1 6.1 12.3	.007	.18	.014	.36	.175	4.45	33	108	60	197
	83653	NEC: CMP CEC: CMP FT6	3	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	5.4 17.5 39.0	2.5 8.0 17.7	.007	.18	.014	.36	.184	4.67	33	108	60	197
	83654	NEC: CMP CEC: CMP FT6	4	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	6.2 21.5 46.0	2.8 9.8 20.9	.007	.18	.014	.36	.199	5.05	33	108	60	197
	83656	NEC: CMP CEC: CMP FT6	6	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	8.1 29.5 62.0	3.7 13.5 28.2	.007	.18	.014	.36	.234	5.94	33	108	60	197
	83659	NEC: CMP CEC: CMP FT6	9	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	9.8 45.0 88.0	4.4 20.4 40.0	.007	.18	.015	.38	.293	7.44	33	108	60	197
	83662	NEC: CMP CEC: CMP FT6	12	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	11.9 55.5 109.0	5.4 25.2 49.5	.007	.18	.015	.38	.308	7.82	33	108	60	197
Suitable for Outdoor and Direct Burial applications.																		

TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
†Spools are one piece, but length may vary ±10% from length shown.

Plenum-Rated

Overall Foil/Braid Shield

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
16 AWG Stranded (19x29) TC Conductors • Conductors Cabled • Overall Beldfoil® (100% Coverage) + TC Braid Shield (85% Coverage)																		
Plenum • FEP Insulation • Red FEP Jacket																		
300V RMS 	**83702**	NEC: CMP CEC: CMP FT6	2	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	5.2 18.5 40.0	2.4 8.4 18.2	.007	.18	.014	.36	.196	4.98	35	115	63	207
	83703	NEC: CMP CEC: CMP FT6	3	See Chart 2 (Tech Info Section)	500† 1000†	152.4 304.8	23.0 50.0	10.5 22.7	.007	.18	.014	.36	.206	5.23	35	115	63	207
	83704	NEC: CMP CEC: CMP FT6	4	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	8.0 29.0 62.0	3.6 13.2 28.1	.007	.18	.014	.36	.223	5.66	35	115	63	207
	83706	NEC: CMP CEC: CMP FT6	6	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	9.7 44.5 87.0	4.4 20.2 39.5	.007	.18	.014	.36	.265	6.73	35	115	63	207
	83709	NEC: CMP CEC: CMP FT6	9	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	11.5 61.0 120.0	5.2 27.7 54.5	.007	.18	.014	.36	.307	7.80	35	115	63	207
	83712	NEC: CMP CEC: CMP FT6	12	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	14.8 78.0 153.0	6.8 35.4 69.5	.007	.18	.014	.36	.344	8.74	35	115	63	207
	83715	NEC: CMP CEC: CMP FT6	15	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	18.1 95.0 190.0	8.3 43.1 86.3	.007	.18	.014	.36	.407	10.34	35	115	63	207
	83719	NEC: CMP CEC: CMP FT6	19	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	21.8 113.5 227.0	9.9 51.5 103.0	.007	.18	.014	.36	.403	10.24	35	115	63	207

Suitable for Outdoor and Direct Burial applications.

TC = Tinned Copper

* Capacitance between conductors.

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

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

Plenum-Rated

Unshielded

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm
22 AWG Stranded (7x30) Tinned Copper Conductors • Twisted Pairs														
Plenum • FEP Insulation • Red FEP Jacket														
300V RMS 	**88442**	NEC: CMP CEC: CMP FT6	1	Black & Red	100 500† 1000†	30.5 152.4 304.8	2.3 5.5 8.0	1.0 2.5 3.6	.006	.15	.012	.30	.102	2.59
	88741	NEC: CMP CEC: CMP FT6	2	Black & Red, Black & White	500† 1000†	152.4 304.8	8.0 16.0	3.6 7.3	.006	.15	.012	.30	.169	4.29
	88757	NEC: CMP CEC: CMP FT6	4	Black & Red, Black & White, Black & Green, Black & Blue	500† 1000†	152.4 304.8	14.0 28.0	6.4 12.7	.006	.15	.012	.30	.200	5.08
Plenum • FEP Insulation • Natural Flamarrest® Jacket														
300V RMS 	**82442**	NEC: CMP CEC: CMP FT6	1	Black & Red	U-1000† 1000†	U-304.8 304.8	9.0 8.0	4.1 3.6	.006	.15	.014	.36	.112	2.84
	82741	NEC: CMP CEC: CMP FT6	2	Black & Red, Black & White	U-1000† 1000†	U-304.8 304.8	18.0 20.0	8.2 9.1	.006	.15	.014	.36	.179	4.55
	82742	NEC: CMP CEC: CMP FT6	3	Black & Red, Black & White, Black & Green	U-1000† 1000†	U-304.8 304.8	24.0 26.0	10.9 11.8	.006	.15	.014	.36	.191	4.85
	82757	NEC: CMP CEC: CMP FT6	4	Black & Red, Black & White, Black & Green, Black & Blue	1000	304.8	32.0	14.5	.006	.15	.014	.36	.210	5.33
	82743	NEC: CMP CEC: CMP FT6	6	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown	U-1000 1000	U-304.8 304.8	44.0 46.0	20.0 20.9	.006	.15	.015	.38	.238	6.05
18 AWG Stranded (19x30) Tinned Copper Conductors • Twisted Pair														
Plenum • FEP Insulation • Red FEP Jacket														
300V RMS 	**89740**	NEC: CMP CEC: CMP FT6	1	Black & Red	100 500† 1000†	30.5 152.4 304.8	3.0 9.0 15.0	1.4 4.1 6.8	.006	.15	.009	.23	.136	3.45
Plenum • FEP Insulation • Red Fluorocopolymer Jacket														
300V RMS 	**87740**	NEC: CMP CEC: CMP FT6	1	Black & Red	500† 1000†	152.4 304.8	9.0 17.0	4.1 7.7	.006	.15	.011	.28	.140	3.56
Plenum • FEP Insulation • Natural Flamarrest Jacket														
300V RMS 	**82740**	NEC: CMP CEC: CMP FT6	1	Black & Red	U-1000 1000	U-304.8 304.8	17.0 16.0	7.7 7.3	.006	.15	.015	.38	.147	3.73

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

Plenum-Rated

Overall Beldfoil® Shield

Computer Cables for EIA RS-232 Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 AWG Stranded (7x32) Tinned Copper Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG Stranded TC Drain Wire																		
Plenum • FEP Insulation • Red FEP Jacket																		
300V RMS 	**88641**	NEC: CMP CEC: CMP FT6	1	Black & Red	100 500† 1000†	30.5 152.4 304.8	2.4 6.0 9.0	1.1 2.7 4.1	.006	.15	.014	.36	.106	2.69	31	102	59	194
	89503	NEC: CMP CEC: CMP FT6	3	Black & White, Black & Red, Black & Green	100 500† 1000†	30.5 152.4 304.8	4.0 10.5 21.0	1.8 4.8 9.5	.006	.15	.014	.36	.175	4.45	21	69	40	131
	89504	NEC: CMP CEC: CMP FT6	4	Black & White, Black & Red, Black & Green, Black & Blue	500† 1000†	152.4 304.8	13.0 29.0	5.9 13.2	.006	.15	.014	.36	.192	4.88	21	69	40	131
	89505	NEC: CMP CEC: CMP FT6	5	Black & White, Black & Red, Black & Green, Black & Blue, Black & Yellow	100 1000†	30.5 304.8	4.9 33.0	2.2 15.0	.006	.15	.014	.36	.197	5.00	21	69	40	131
Plenum • FEP Insulation • Natural Flamarrest® Jacket																		
300V RMS 	**82641**	NEC: CMP CEC: CMP FT6	1	Black & Red	U-1000 1000	U-304.8 304.8	9.0 8.0	4.1 3.6	.006	.15	.014	.36	.106	2.69	31	102	59	194
	82502	NEC: CMP CEC: CMP FT6	2	Black & White, Black & Red	U-500 U-1000 1000	U-152.4 U-304.8 304.8	8.0 16.0 14.0	3.6 7.3 6.4	.006	.15	.014	.36	.162	4.11	25	82	45	148
	82503	NEC: CMP CEC: CMP FT6	3	Black & White, Black & Red, Black & Green	U-1000 1000	U-304.8 304.8	19.0 18.0	8.6 8.2	.006	.15	.014	.36	.169	4.29	25	82	45	148
	82504	NEC: CMP CEC: CMP FT6	4	Black & White, Black & Red, Black & Green, Black & Blue	U-1000 1000	U-304.8 304.8	24.0 26.0	10.9 11.8	.006	.15	.014	.36	.193	4.90	25	82	45	148
	82505	NEC: CMP CEC: CMP FT6	5	See Chart 3 (Tech Info Section)	U-1000 1000	U-304.8 304.8	29.0 31.0	13.2 14.0	.006	.15	.015	.38	.196	4.98	25	82	45	148
	82506	NEC: CMP CEC: CMP FT6	6	See Chart 3 (Tech Info Section)	U-500 U-1000 1000	U-152.4 U-304.8 304.8	17.5 34.0 35.0	8.0 15.5 15.9	.006	.15	.015	.38	.209	5.31	25	82	45	148
	82509	NEC: CMP CEC: CMP FT6	9	See Chart 3 (Tech Info Section)	1000	304.8	49.0	22.3	.006	.15	.015	.38	.246	6.25	23	75	42	138
	82512	NEC: CMP CEC: CMP FT6	12.5 (12 pairs + 1 single)	See Chart 3 (Tech Info Section)	1000	304.8	60.0	27.3	.006	.15	.015	.38	.278	7.06	23	75	42	138

TC = Tinned Copper

*Capacitance between conductors.

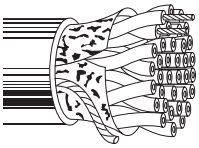
**Capacitance between one conductor and other conductors connected to shield.

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

Plenum-Rated

Overall Beldfoil® Shield

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

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 AWG Stranded (7x32) Tinned Copper Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG Stranded TC Drain Wire																		
Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket																		
300V RMS 	**88102**	NEC: CMP CEC: CMP FT6	2	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	10.0 20.0	4.5 9.1	24.0Ω/M′ 78.7Ω/km	15.5Ω/M′ 50.9Ω/km	.203	5.16	100	78%	12.95	42.5	23.3	76.4
	88103	NEC: CMP CEC: CMP FT6	3	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	13.5 31.0	6.1 14.1	24.0Ω/M′ 78.7Ω/km	15.5Ω/M′ 50.9Ω/km	.239	6.07	100	78%	12.95	42.5	23.3	76.4
	88104	NEC: CMP CEC: CMP FT6	4	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	17.0 38.0	7.7 17.3	24.0Ω/M′ 78.7Ω/km	14.0Ω/M′ 45.9Ω/km	.259	6.58	100	78%	12.95	42.5	23.3	76.4
	88105	NEC: CMP CEC: CMP FT6	5	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	23.5 44.0	10.7 20.0	24.0Ω/M′ 78.7Ω/km	14.0Ω/M′ 45.9Ω/km	.267	6.78	100	78%	12.95	42.5	23.3	76.4
	88106	NEC: CMP CEC: CMP FT6	6	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	26.5 50.0	12.0 22.7	24.0Ω/M′ 78.7Ω/km	14.0Ω/M′ 45.9Ω/km	.293	7.44	100	78%	12.95	42.5	23.3	76.4
	88107	NEC: CMP CEC: CMP FT6	7.5 (7 pairs + 1 single)	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	31.0 59.0	14.1 26.8	24.0Ω/M′ 78.7Ω/km	14.0Ω/M′ 45.9Ω/km	.293	7.44	100	78%	12.95	42.5	23.3	76.4
	88109	NEC: CMP CEC: CMP FT6	9	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	36.5 74.0	16.6 33.6	24.0Ω/M′ 78.7Ω/km	13.0Ω/M′ 42.7Ω/km	.352	8.94	100	78%	12.95	42.5	23.3	76.4
	88112	NEC: CMP CEC: CMP FT6	12.5 (12 pairs + 1 single)	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	48.0 97.0	21.8 44.1	24.0Ω/M′ 78.7Ω/km	11.8Ω/M′ 38.7Ω/km	.397	10.08	100	78%	12.95	42.5	23.3	76.4
	88118	NEC: CMP CEC: CMP FT6	18.5 (18 pairs + 1 single)	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	71.0 148.0	32.2 67.3	24.0Ω/M′ 78.7Ω/km	11.0Ω/M′ 36.1Ω/km	.482	12.24	100	78%	12.95	42.5	23.3	76.4
	88125	NEC: CMP CEC: CMP FT6	25	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	98.0 195.0	44.5 88.6	24.0Ω/M′ 78.7Ω/km	9.6Ω/M′ 31.5Ω/km	.581	14.76	100	78%	12.95	42.5	23.3	76.4

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
†Spools are one piece, but length may vary ±10% from length shown.

Plenum-Rated

Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
22 AWG Stranded (7x30) Tinned Copper Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 22 AWG Stranded TC Drain Wire																		
Plenum • FEP Insulation • Red FEP Jacket																		
300V RMS	**88761**	NEC:	1	Black,	100	30.5	2.7	1.2	.006	.15	.014	.36	.119	3.02	35	115	67	220
		CMP		Red	U-500	U-152.4	7.5	3.4										
		CEC:			500	152.4	7.5	3.4										
		CMP FT6			U-1000	U-304.8	15.0	6.8										
					1000	304.8	12.0	5.5										
Z-Fold®																		
Plenum • FEP Insulation • Red Fluorocopolymer Jacket																		
300V RMS	**87761**	NEC:	1	Black,	500	152.4	7.0	3.2	.006	.15	.014	.36	.116	2.95	35	115	67	220
		CMP		Red	1000	304.8	11.0	5.0										
		CEC:																
		CMP FT6																
Z-Fold®																		
Plenum • FEP Insulation • Natural Flamarrest® Jacket																		
300V RMS	**82761**	NEC:	1	Black,	U-500	U-152.4	7.0	3.2	.006	.15	.014	.36	.116	2.95	35	115	67	220
		CMP		Red	U-1000	U-304.8	14.0	6.4										
		CEC:			1000	304.8	11.0	5.0										
		CMP FT6																
Z-Fold®																		
18 AWG Stranded (19x30) Tinned Copper Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 20 AWG Stranded TC Drain Wire																		
Plenum • FEP Insulation • Red FEP Jacket																		
300V RMS	**88760**	NEC:	1	Black,	100	30.5	3.7	1.7	.007	.18	.014	.36	.150	3.81	51	167	97	318
		CMP		Red	U-500	U-152.4	12.5	5.7										
		CEC:			500	152.4	11.0	5.0										
		CMP FT6			U-1000	U-304.8	24.0	10.9										
					1000	304.8	22.0	10.0										
Z-Fold®																		
Plenum • FEP Insulation • Red Fluorocopolymer Jacket																		
300V RMS	**87760**	NEC:	1	Black,	U-500	U-152.4	12.5	5.7	.007	.18	.014	.36	.150	3.81	51	167	97	318
		CMP		Red	500	152.4	10.5	4.8										
		CEC:			1000	304.8	21.0	9.5										
		CMP FT6																
Z-Fold®																		
Plenum • FEP Insulation • Natural Flamarrest Jacket																		
300V RMS	**82760**	NEC:	1	Black,	U-500	U-152.4	12.0	5.5	.007	.18	.014	.36	.150	3.81	51	167	97	318
		CMP		Red	U-1000	U-304.8	22.0	10.0										
		CEC:			1000	304.8	21.0	9.5										
		CMP FT6																
Z-Fold®																		

TC = Tinned Copper

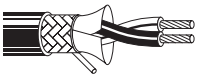
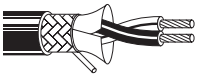
*Capacitance between conductors.

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

Plenum-Rated

Overall Foil/Braid Shield

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

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
Low Cap 24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Overall Beldfoil® (100% Coverage) + TC Braid Shield (90% Cov.) • Drain Wire																		
Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket																		
300V RMS 	**82841**	NEC: CMP CEC: CMP FT6	1	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	13.0 26.0	6.0 11.8	24.0Ω/M′ 78.7Ω/km	3.1Ω/M′ 10.2Ω/km	.204	5.18	120	76%	12	39.4	22	72.2
300V RMS 	**82842**	NEC: CMP CEC: CMP FT6	2	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	19.0 42.0	8.6 19.1	24.0Ω/M′ 78.7Ω/km	2.4Ω/M′ 7.9Ω/km	.273	6.93	120	76%	12	39.4	22	72.2
Plenum • Foam FEP Insulation • Red FEP Jacket																		
300V RMS 	**89841**	NEC: CMP CEC: CMP FT6	1	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	13.5 27.0	6.1 12.3	24.0Ω/M′ 78.7Ω/km	3.1Ω/M′ 10.2Ω/km	.202	5.13	120	76%	12	39.4	22	72.2
300V RMS 	**89842** new	NEC: CMP CEC: CMP FT6	2	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	25.5 49.0	11.6 22.2	24.0Ω/M′ 78.7Ω/km	3.1Ω/M′ 10.2Ω/km	.305	7.75	120	76%	12	39.4	22	72.2
22 AWG Solid TC Conductors • Twisted Pairs • Overall Beldfoil (100% Coverage) + TC Braid Shield (90% Coverage) • 22 AWG TC Drain Wire																		
Plenum • Solid FEP Insulation • Black FEP Jacket																		
300V RMS 	**1269A**	NEC: MPP, CMP CEC: MPP, CMP FT6	2	Red & Blue, Black & Yellow	1000	304.8	48.0	21.8	16.5Ω/M′ 54.1Ω/km	2.1Ω/M′ 6.9Ω/km	.240	6.10	100	69.5%	15.5	50.9	27	88.6
22 AWG Solid TC Conductors • Twisted Pairs • Overall Beldfoil (100% Coverage) + TC Braid Shield (55% Cov.) + Polyester Tape • 22 AWG Drain Wire																		
Plenum • Solid FEP Insulation • Black FEP Jacket																		
300V RMS 	**89855**	NEC: MPP, CMP CEC: MPP, CMP FT6	2	1 Pair: Red & Blue 1 Pair: Black & Yellow	500 1000	152.4 304.8	22.5 42.0	10.2 19.1	16.5Ω/M′ 54.1Ω/km	4.9Ω/M′ 16.1Ω/km	.272	6.91	100	69.5%	15.5	50.9	27	88.6
22 AWG Solid BC Conductors • Twisted Pairs • Overall Beldfoil (100% Coverage) + TC Braid Shield (55% Coverage) • 22 AWG Solid TC Drain Wire																		
Plenum • Solid FEP Insulation • Black FEP Jacket																		
300V RMS 	**89696**	NEC: MPP, CMP CEC: MPP, CMP FT6	2	1 Pair: Blue & White with Blue Stripe 1 Pair: Orange & White with Orange Stripe	500 1000	152.4 304.8	25.0 46.0	11.4 20.9	16.5Ω/M′ 54.1Ω/km	4.2Ω/M′ 13.8Ω/km	.262	6.65	100	69.5%	15.5	50.9	27	88.6

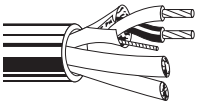
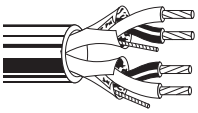
BC = Bare Copper • DCR = DC Resistance • TC = Tinned Copper

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

Plenum-Rated

Individually Shielded Pairs

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

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/ Ft.	Nom. Capacitance * pF/ m	Nom. Capacitance ** pF/ Ft.	Nom. Capacitance ** pF/ m
24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil® (100% Coverage) • 24 AWG Stranded TC Drain Wire																		
Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket																		
300V RMS 	**89729**	NEC: CMP CEC: CMP FT6	2	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	17.0 31.0	7.7 14.1	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.261	6.63	100	76%	13.5	44	22.5	73.8
	89730	NEC: CMP CEC: CMP FT6	3	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	21.5 40.0	9.8 18.2	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.278	7.06	100	76%	13.5	44	22.5	73.8
	89728	NEC: CMP CEC: CMP FT6	4	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	26.5 50.0	12.0 22.7	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.307	7.80	100	76%	13.5	44	22.5	73.8
	89705	NEC: CMP CEC: CMP FT6	5	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	30.5 62.0	13.9 28.2	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.333	8.50	100	76%	13.5	44	22.5	73.8
	89731	NEC: CMP CEC: CMP FT6	6	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	35.0 71.0	15.9 32.3	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.361	9.17	100	76%	13.5	44	22.5	73.8
	89757	NEC: CMP CEC: CMP FT6	7	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	39.5 80.0	18.0 36.4	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.361	9.17	100	76%	13.5	44	22.5	73.8
	89732	NEC: CMP CEC: CMP FT6	9	See Chart 5 (Tech Info Section)	1000	304.8	108.0	49.2	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.433	10.90	100	76%	13.5	44	22.5	73.8
	89734	NEC: CMP CEC: CMP FT6	12	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	71.0 140.0	32.3 63.6	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.498	12.65	100	76%	13.5	44	22.5	73.8
	89758	NEC: CMP CEC: CMP FT6	18	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	100.5 204.0	45.7 92.7	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.616	15.65	100	76%	13.5	44	22.5	73.8
Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket																		
300V RMS 	**82729**	NEC: CMP CEC: CMP FT6	2	See Chart 5 (Tech Info Section)	U-1000 1000	U-304.8 304.8	26.0 28.0	11.8 12.7	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.255	6.48	100	76%	13.5	44	22.5	73.8

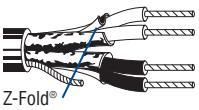
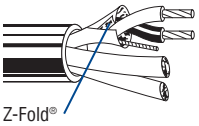
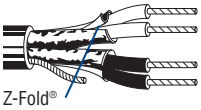
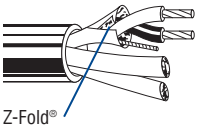
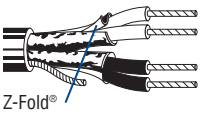
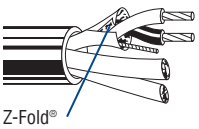
DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

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

Plenum-Rated

Individually Shielded Pairs
Audio, Control and Instrumentation Cables

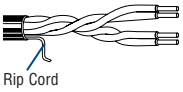
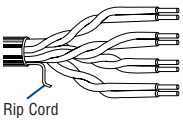
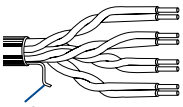
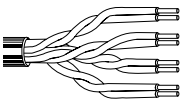
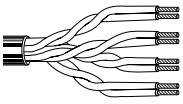
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Individually Shielded Beldfoil® (100% Coverage) • 22 AWG Stranded TC Drain Wire††																		
Plenum • FEP Insulation • Natural Flamarrest® Jacket																		
300V RMS  Z-Fold®	**82723**	NEC: CMP CEC: CMP FT6	2	Red & Black, Green & White	U-500 U-1000 1000 U-2000	U-152.4 U-304.8 304.8 U-609.6	10.5 20.0 19.0 40.0	4.8 9.1 8.6 18.2	14.7Ω/M′ 48.2Ω/km	16.6Ω/M′ 54.5Ω/km	.153	3.89	36	62%	43	141	75	246
††82723 has 24 AWG drain wire Pairs cabled on common axis to reduce diameter.																		
300V RMS  Z-Fold®	**82777**	NEC: CMP CEC: CMP FT6	3	See Chart 3 (Tech Info Section)	U-500 U-1000 1000	U-152.4 U-304.8 304.8	19.5 38.0 39.0	8.9 17.3 17.7	14.7Ω/M′ 48.2Ω/km	11.3Ω/M′ 37.1Ω/km	.237	6.02	46	62%	35	115	76	249
	82778	NEC: CMP CEC: CMP FT6	6	See Chart 3 (Tech Info Section)	1000	304.8	71.0	32.2	14.7Ω/M′ 48.2Ω/km	11.3Ω/M′ 37.1Ω/km	.314	7.98	46	62%	35	115	76	249
Plenum • FEP Insulation • Red FEP Jacket																		
300V RMS  Z-Fold®	**88723**	NEC: CMP CEC: CMP FT6	2	Red & Black, Green & White	100 500 1000	30.5 152.4 304.8	3.4 11.0 19.0	1.5 5.0 8.6	14.7Ω/M′ 48.2Ω/km	16.6Ω/M′ 54.5Ω/km	.148	3.76	40	69%	35	115	67	220
††88723 has 24 AWG drain wire																		
300V RMS  Z-Fold®	**88777**	NEC: CMP CEC: CMP FT6	3	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.0 19.0 42.0	2.7 8.6 19.1	14.7Ω/M′ 48.2Ω/km	11.3Ω/M′ 37.1Ω/km	.234	5.94	50	69%	31	102	67	220
	88778	NEC: CMP CEC: CMP FT6	6	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	7.0 38.5 75.0	3.2 17.5 34.1	14.7Ω/M′ 48.2Ω/km	11.3Ω/M′ 37.1Ω/km	.309	7.85	50	69%	31	102	67	220
Pairs cabled on common axis to reduce diameter.																		
Plenum • FEP Insulation • Red Fluorocopolymer Jacket																		
300V RMS  Z-Fold®	**87723**	NEC: CMP CEC: CMP FT6	2	Red & Black, Green & White	500 1000	152.4 304.8	11.0 18.0	5.0 8.2	14.7Ω/M′ 48.2Ω/km	15.0Ω/M′ 49.2Ω/km	.148	3.76	40	69%	35	115	67	220
††87723 has 24 AWG drain wire.																		
300V RMS  Z-Fold®	**87777**	NEC: CMP CEC: CMP FT6	3	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	18.0 40.0	8.2 18.2	14.7Ω/M′ 48.2Ω/km	11.3Ω/M′ 37.1Ω/km	.234	5.94	50	69%	31	102	67	220
	87778	NEC: CMP CEC: CMP FT6	6	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	37.5 73.0	17.0 33.2	14.7Ω/M′ 48.2Ω/km	11.3Ω/M′ 37.1Ω/km	.309	7.85	50	69%	31	102	67	220
Pairs cabled on common axis to reduce diameter.																		

DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

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

DataTwist® 5e UTP Cable

TIA/EIA-568-B.2, Category 5e Nonbonded-Pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths Ft.	Standard Lengths m	Standard Unit Wt. Lbs.	Standard Unit Wt. kg	Nominal OD Inch	Nominal OD mm	Max. DCR (Ω/ 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. (Ω)	Min. RL (dB)
24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)																			
Plenum • FEP Teflon® Insulation • Flamarrest® Jacket (Available in Natural or Blue)																			
 Rip Cord	**1590A**	NEC: CMP CEC: CMP FT6	2	1000	304.8	16.0	7.3	.175	4.44	9.38	5.0	330	1 10 16 31.25 62.5 100 200	2.0 6.5 8.2 11.7 17.0 22.0 32,0	62.3 47.3 44.3 39.9 35.4 32.3 27,8	60.3 49.2 40,8 36.0 28.2 19.0 10,3 1.0	60.8 40.8 36.7 30.9 24.8 20.8 14,7	100±15 100±15 100±15 100±15 100±15 100±15 100±25	20.0 25.0 25.0 23.6 21.5 20.1 15,0
Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 5e																			
Plenum • FEP Teflon® Insulation • Flamarrest® Jacket (Red, Orange, Yellow, Green, Gray, White, Black, Pink, Natural or Blue)																			
 Rip Cord	**1585A**	NEC: CMP CEC: CMP FT6	4	U-1000 1000 3000†	U-304.8 304.8 914.6	23.0 24.0 69.0	10.5 10.9 31.4	.198	5.03	9.38	3.0	330	1 4 10 16 31.25 62.5 100 200	2.0 4.1 6.5 8.2 11.7 17.0 22.0 32.0	62.3 53.3 47.3 44.3 39.9 35.4 32.3 27.8	60.3 49.2 40,8 36.0 28.2 19.0 10,3 1.0	60.8 48.7 40.8 36.7 30.9 24.8 20.8 14.7	100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±25	20.0 23.0 25.0 25.0 23.6 21.5 20.1 15.0
†3000 ft. put-up available in Natural or Blue only. Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 5e																			
Plenum • FEP Teflon Insulation • Fluorescent Pink Flamarrest Jacket																			
DataBrite®  Rip Cord	**1585B**	NEC: CMP CEC: CMP FT6	4	1000	304.8	24.0	10.9	.197	5.00	9.38	3.0	330	1 4 10 16 31.25 62.5 100 200	2.0 4.1 6.5 8.2 11.7 17.0 22.0 32.0	62.3 53.3 47.3 44.3 39.9 35.4 32.3 27.8	60.3 49.2 40,8 36.0 28.2 19.0 10,3 1.0	60.8 48.7 40.8 36.7 30.9 24.8 20.8 14.7	100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±25	20.0 23.0 25.0 25.0 23.6 21.5 20.1 15.0
Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 5e																			
Plenum • FEP Teflon Insulation • FEP Jacket (Available in Blue or White)																			
	**1585LC**	NEC: Limited Combustible FHC 25/50 CMP CEC: CMP FT6	4	U-1000 1000	U-304.8 304.8	23.0 23.0	10.5 10.5	.195	4.95	9.38	3.0	330	1 4 10 16 31.25 62.5 100 200	2.0 4.1 6.5 8.2 11.7 17.0 22.0 32.0	62.3 53.3 47.3 44.3 39.9 35.4 32.3 27.8	60.3 49.2 40,8 36.0 28.2 19.0 10,3 1.0	60.8 48.7 40.8 36.7 30.9 24.8 20.8 14.7	100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±25	20.0 23.0 25.0 25.0 23.6 21.5 20.1 15.0
Jacket sequentially marked at 2 ft. intervals. No rip cord. Third party verified to TIA/EIA-568-B.2, Category 5e																			
Patch Cable • 24 AWG Stranded (7x32) Bare Copper Conductors • Twisted Pairs • RJ-45 Compatible* • See Color Code Chart (below)																			
Non-Plenum • Polyolefin Insulation • PVC Jacket (Available in Red, Orange, Yellow, Green, Blue, Purple, Light Gray, White or Black)																			
Patch Cable 	**1592A**	NEC: CM CEC: CM FT1	4	U-1000 1000	U-304.8 304.8	22.0 23.0	10.0 10.5	.213	5.41	9.38	3.0	330	1 4 10 16 31.25 62.5 100 200	2.5 4.9 7.8 9.9 14.1 20.4 26.4 38.9	62.3 53.3 47.3 44.3 39.9 35.4 32.3 27.8	— — — — — — — —	60.8 48.7 40.8 36.7 30.9 24.8 20.8 14.7	100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±25	20.0 23.0 25.0 25.0 23.6 21.5 20.1 15.0
*RJ-45 compatible for either T568-A or T568-B configurations. Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 5e Patch																			

ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • FEP = Fluorinated Ethylene Propylene • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

Color Codes: DataTwist 5e

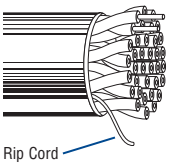
Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

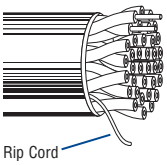
Teflon is a DuPont trademark.

IBDN Plus 25-Pair Cat5E UTP Cable

TIA/EIA-568-B.2, Category 5E
Enhanced Category 5 Nonbonded-pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths Ft.	Standard Lengths m	Standard Unit Wt. Lbs.	Standard Unit Wt. kg	Nominal OD Inch	Nominal OD mm	Max. DCR (Ω/ 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. (Ω)	Min. RL (dB)
24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)																		
Non-Plenum • Polyolefin Insulation • Gray PVC Jacket																		
Gray, Reel	**24576125**	NEC: CMR CEC: CMR	25	1000	304.8	119	54.0	.490	12.45	9.38	—	330	0.772 1.0 4.0 8.0 10.0 16.0 20.0 25.0 31.25 62.5 100.0	1.8 2.0 4.1 15.8 16.5 8.2 9.3 10.4 11.7 17.0 22.0	64,0 62.3 53.3 48.8 47.3 44.2 42.8 41.3 39.9 35.4 32.3	63.0 63.8 48.8 42.7 40.8 36.7 34.8 32.8 30.9 24.9 20.8	102±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15	19.4 20.0 23.0 24.5 25.0 25.0 25.0 24.3 23.6 21.5 20.1
Jacket sequentially market at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 5e																		
Plenum • FEP Insulation • Gray Low-smoke PVC Jacket																		
Gray, Reel	**24577125**	NEC: CMP CEC: CMP	25	1000	304.8	127	57.6	.430	10.90	9.38	—	330	0.772 1.0 4.0 8.0 10.0 16.0 20.0 25.0 31.25 62.5 100.0	1.8 2.0 4.1 15.8 16.5 8.2 9.3 10.4 11.7 17.0 22.0	64,0 62.3 53.3 48.8 47.3 44.2 42.8 41.3 39.9 35.4 32.3	63.0 63.8 48.8 42.7 40.8 36.7 34.8 32.8 30.9 24.9 20.8	102±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15	19.4 20.0 23.0 24.5 25.0 25.0 25.0 24.3 23.6 21.5 20.1
Jacket sequentially market at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 5e																		





ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

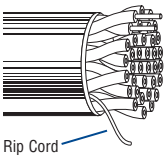
Color Codes:
IBDN Plus 25-Pair Cat5

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

IBDN Plus 25-Pair Cat5 UTP Cable

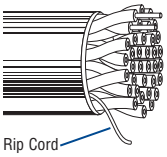
TIA/EIA-568-A, Category 5
Category 5 Nonbonded-pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω/ 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Input Imped. (Ω)	Min. SRL (dB)
				Ft.	m	Lbs.	kg	Inch	mm								
24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)																	
Non-Plenum • Polyolefin Insulation • Blue PVC Jacket																	
Blue, Reel	**24572238**	NEC:	25	1000	304.8	118.0	53.5	4.90	124.5	9.38	5.0	330	0.772	1.8	64.0	102±15	—
Blue, Reel	**24572250**	CMR	25	492	150.0								1.0	2.1	62.0	100±15	23
Blue,, Reel	**24572260**	CEC:	25	500	152.4								4.0	4.3	53.0	100±15	23
		CMR											8.0	5.9	48.0	100±15	23
													10.0	6.6	47.0	100±15	23
													16.0	8.2	44.0	100±15	23
													20.0	9.2	42.0	100±15	23
													25.0	10.5	41.0	100±15	22
													31.25	11.8	40.0	100±15	21
													62.5	17.1	35.0	100±15	18
													100.0	22.0	32.0	100±15	16



Jacket sequentially market at 2 ft. intervals.
Third party verified to TIA/EIA-568-A, Category 5

Plenum • 100% FEP Insulation • Gray Low-Smoke PVC Jacket																	
Gray, Reel	**24572351**	NEC:	25	328	100.0	118.0	53.5	4.90	124.5	9.38	5.0	330	0.772	1.8	64.0	102±15	—
Gray, Reel	**24572352**	CMP	25	984	300.0								1.0	2.1	62.0	100±15	23
Gray, Reel	**24572353**	CEC:	25	1000	304.8								4.0	4.3	53.0	100±15	23
		CMP											8.0	5.9	48.0	100±15	23
													10.0	6.6	47.0	100±15	23
													16.0	8.2	44.0	100±15	23
													20.0	9.2	42.0	100±15	23
													25.0	10.5	41.0	100±15	22
													31.25	11.8	40.0	100±15	21
													62.5	17.1	35.0	100±15	18
													100.0	22.0	32.0	100±15	16



Jacket sequentially market at 2 ft. intervals.
Third party verified to TIA/EIA-568-A, Category 5

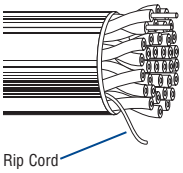
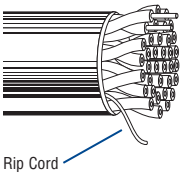
ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

Color Codes:
IBDN Plus 25-Pair Cat5

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

DataTwist® 5 UTP Cable

TIA/EIA-568-A, Category 5 Nonbonded-Pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω/ 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Fitted Input Imped. (Ω)	Min. SRL (dB)
				Ft.	m	Lbs.	kg	Inch	mm								
24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)																	
Non-Plenum • Polyolefin Insulation • PVC Jacket (Available in Light Gray or Blue)																	
 Rip Cord	**1864A**	NEC: CMR CEC: CMR FT4	25	1000	304.8	144.0	65.4	.526	13.36	9.38	5.0	330	1 10 16 31.25 62.5 100	2.0 6.5 8.2 11.7 17.0 22.0	62.3 47.3 44.3 39.9 35.4 32.3	100±15 100±15 100±15 100±15 100±15 100±15	23.0 23.0 23.0 21.1 18.0 16.0
Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-A, Category 5																	
Plenum • FEP Teflon® Insulation • FEP Jacket (Available in Blue Tint or White Tint)																	
 Rip Cord	**1871A**	NEC: CMP CEC: CMP	25	1000	304.8	131.0	59.5	.430	10.92	9.38	5.0	330	1 10 16 31.25 62.5 100	2.0 6.5 8.2 11.7 17.0 22.0	62.3 47.3 44.3 39.9 35.4 32.3	100±15 100±15 100±15 100±15 100±15 100±15	23.0 23.0 23.0 21.1 18.0 16.0
Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-A, Category 5																	

DCR = DC Resistance • NEXT = Near-end Crosstalk • PSUM = Power Sum • SRL = Structural Return Loss • UTP = Unshielded Twisted Pair(s)

Color Codes: 1864A

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

Pair	Color Combination
14	Black & Brown
15	Black & Gray
16	Yellow & Blue
17	Yellow & Orange
18	Yellow & Green
19	Yellow & Brown
20	Yellow & Gray
21	Purple & Blue
22	Purple & Orange
23	Purple & Green
24	Purple & Brown
25	Purple & Gray

Color Codes: 1871A

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

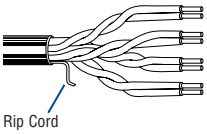
Pair	Color Combination
14	Black/Brown Stripe & Brown
15	Black/Gray Stripe & Gray
16	Yellow/Blue Stripe & Blue
17	Yellow/Orange Stripe & Orange
18	Yellow/Green Stripe & Green
19	Yellow/Brown Stripe & Brown
20	Yellow/Gray Stripe & Gray
21	Purple/Blue Stripe & Blue
22	Purple/Orange Stripe & Orange
23	Purple/Green Stripe & Green
24	Purple/Brown Stripe & Brown
25	Purple/Gray Stripe & Gray

Teflon is a DuPont trademark.

IBDN Plus UTP Cable

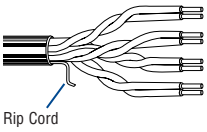
TIA/EIA-568-A, Category 5
Category 5 Nonbonded-pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths Ft.	Standard Lengths m	Standard Unit Wt. Lbs.	Standard Unit Wt. kg	Nominal OD Inch	Nominal OD mm	Max. DCR (Ω/ 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Input Imped. (Ω)	Min. SRL (dB)
24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)																		
Non-Plenum • Polyolefin Insulation • PVC Jacket																		
White, Box	**24570086**	NEC:	4	1000	304.8	10.9	24.0	.186	4.72	9.38	5.0	330	0.772	1.8	64.0	62.2	—	—
Blue, Box	**24570036**	CMR											1.0	2.0	62.3	60.3	100±15	23.0
		CEC:											4.0	4.1	53.3	49.2	100±15	23.0
		CMR											8.0	5.8	48.8	43.0	100±15	23.0
													10.0	6.5	47.3	40.8	100±15	23.0
													16.0	8.2	44.3	36.0	100±15	23.0
													20.0	9.3	42.8	33.5	100±15	23.0
													25.0	10.4	41.3	30.9	100±15	22.0
													31.25	11.7	39.9	28.2	100±15	21.1
													62.5	17.0	35.4	18.4	100±15	18.1
													100.0	22.0	32.3	10.3	100±15	16.0
													155.0◗	28.1	29.5	1.4	100±15	14.1



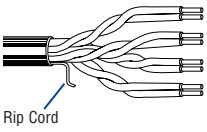
Jacket sequentially market at 2 ft. intervals.
Featuring Descending Length Marking.
Third party verified to TIA/EIA-568-A, Category 5

Non-Plenum • Polyolefin Insulation • LSZH Polymer Alloy																		
Purple, Box	**24570152**	NEC:	4	1000	304.8	11.3	25.0	.198	5.03	9.38	5.0	330	0.772	1.8	64.0	62.2	—	—
		CMR											1.0	2.0	62.3	60.3	100±15	23.0
		CEC:											4.0	4.1	53.3	49.2	100±15	23.0
		CMR											8.0	5.8	48.8	43.0	100±15	23.0
													10.0	6.5	47.3	40.8	100±15	23.0
													16.0	8.2	44.3	36.0	100±15	23.0
													20.0	9.3	42.8	33.5	100±15	23.0
													25.0	10.4	41.3	30.9	100±15	22.0
													31.25	11.7	39.9	28.2	100±15	21.1
													62.5	17.0	35.4	18.4	100±15	18.1
													100.0	22.0	32.3	10.3	100±15	16.0
													155.0◗	28.1	29.5	1.4	100±15	14.1



Jacket sequentially market at 2 ft. intervals.
Featuring Descending Length Marking.
Third party verified to TIA/EIA-568-A, Category 5

Plenum • Dual Insulation: Polyolefin/FEP • Low-Smoke PVC Jacket																		
White, Box	**24570700**	NEC:	4	1000	304.8	9.98	22.0	.188	4.78	9.38	5.0	330	0.772	1.8	64.0	62.2	—	—
Blue, Box	**24570750**	CMP											1.0	2.0	62.3	60.3	100±15	23.0
		CEC:											4.0	4.1	53.3	49.2	100±15	23.0
		CMP											8.0	5.8	48.8	43.0	100±15	23.0
													10.0	6.5	47.3	40.8	100±15	23.0
													16.0	8.2	44.3	36.0	100±15	23.0
													20.0	9.3	42.8	33.5	100±15	23.0
													25.0	10.4	41.3	30.9	100±15	22.0
													31.25	11.7	39.9	28.2	100±15	21.1
													62.5	17.0	35.4	18.4	100±15	18.1
													100.0	22.0	32.3	10.3	100±15	16.0
													155.0◗	28.1	29.5	1.4	100±15	14.1



Jacket sequentially market at 2 ft. intervals.
Featuring Descending Length Marking.
Third party verified to TIA/EIA-568-A, Category 5

ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

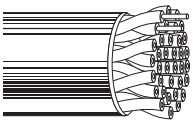
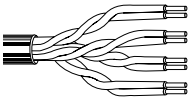
◗Values provided for information only.

Color Codes: IBDN Plus

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

DataTwist® 3 UTP Cable

TIA/EIA-568-A, Category 3 Nonbonded-Pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR (Cond.)	Nom. Imped. (Ω)	Nominal Capacitance		Freq. (MHz)	Min. NEXT (dB)	Maximum Attenuation	
				Ft.	m	Lbs.	kg	Inch	mm			* pF/Ft.	* pF/m			(dB/ 1000′)	(dB/ 100m)
24 AWG Solid Bare Copper Conductors • Twisted Pairs • See Color Code Chart (below)																	
Non-Plenum • Polyolefin Insulation • Gray PVC Jacket																	
	**1227A1**	NEC: CMR CEC: CMR	2	U-1000	U-304.8	13.0	6.0	.173	4.39	28.0Ω/M′ 91.8Ω/km	100	19.0	62.3	1 4 10 16	41.0 32.0 26.0 23.0	7.8 17.0 30.0 40.0	2.56 5.58 9.71 13.10
	1229A1	NEC: CMR CEC: CMR	4	U-1000	U-304.8	22.0	10.0	.197	5.00								
	1232A1	NEC: CMR CEC: CMR	25†	1000	304.8	104.0	47.2	.399	10.14								
Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-A, Category 3																	
Plenum • Low-Smoke PVC Insulation • White Low-Smoke PVC Jacket																	
	**1243A2**	NEC: CMP CEC: CMP	2	U-1000	U-304.8	14.0	6.4	.170	4.32	28.0Ω/M′ 91.8Ω/km	100	19.0	62.3	1 4 10 16	41.0 32.0 26.0 23.0	7.8 17.0 30.0 40.0	2.56 5.58 9.71 13.10
	1245A2	NEC: CMP CEC: CMP	4	U-1000	U-304.8	23.0	10.4	.200	5.08								
Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-A, Category 3																	

DCR = DC Resistance • NEXT = Near-end Crosstalk • UTP = Unshielded Twisted Pair(s)

*Capacitance between conductors

† 25-pair NEXT is Power Sum tested.

Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

Color Codes: DataTwist 3

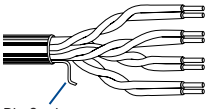
Pair No.	Color Combination
1	White/Blue Stripe & Blue/White Stripe
2	White/Orange Stripe & Orange/White Stripe
3	White/Green Stripe & Green/White Stripe
4	White/Brown Stripe & Brown/White Stripe
5	White/Gray Stripe & Gray/White Stripe
6	Red/Blue Stripe & Blue/Red Stripe
7	Red/Orange Stripe & Orange/Red Stripe
8	Red/Green Stripe & Green/Red Stripe
9	Red/Brown Stripe & Brown/Red Stripe
10	Red/Gray Stripe & Gray/Red Stripe
11	Black/Blue Stripe & Blue/Black Stripe
12	Black/Orange Stripe & Orange/Black Stripe
13	Black/Green Stripe & Green/Black Stripe

Pair No.	Color Combination
14	Black/Brown Stripe & Brown/Black Stripe
15	Black/Gray Stripe & Gray/Black Stripe
16	Yellow/Blue Stripe & Blue/Yellow Stripe
17	Yellow/Orange Stripe & Orange/Yellow Stripe
18	Yellow/Green Stripe & Green/Yellow Stripe
19	Yellow/Brown Stripe & Brown/Yellow Stripe
20	Yellow/Gray Stripe & Gray/Yellow Stripe
21	Purple/Blue Stripe & Blue/Purple Stripe
22	Purple/Orange Stripe & Orange/Purple Stripe
23	Purple/Green Stripe & Green/Purple Stripe
24	Purple/Brown Stripe & Brown/Purple Stripe
25	Purple/Gray Stripe & Gray/Purple Stripe

D-Inside and D-Flex Plenum UTP Cable

TIA/EIA-568-A and CSA T529-95, Category 3
Category 3 Nonbonded-pair Cables

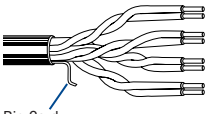
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω/ 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. NEXT (dB)	Input Imped. (Ω)	Min. SRL (dB)
				Ft.	m	Lbs.	kg	Inch	mm								
24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)																	
Non-Plenum • Polyvinyl Chloride Insulation • Olive Gray Low-Smoke PVC Jacket																	
Olive Gray, Box	**24501922**	NEC:	2	2500	762.0	11.0	4.99	0.13	3.30	9.38	5.0	262	0.772	2.2	43.0	—	—
Olive Gray, Box	**24501934**	CMR	3	1500	457.2	15.0	6.80	0.15	3.90				1.0	2.6	41.0	100±15	12.0
Olive Gray, Box	**24501941**	CEC:	4	1000	304.8	18.0	8.16	0.17	4.30				4.0	5.6	32.0	100±15	12.0
Olive Gray, Box	**24501950**	CMR	4	1500	457.2	18.0	8.16	0.17	4.30				8.0	8.5	28.0	100±15	12.0
Olive Gray, Reel	**24501947**		4	1000	304.8	18.0	8.16	0.17	4.30				10.0	9.7	26.0	100±15	12.0
													16.0	13.1	23.0	100±15	10.0



Rip Cord

Jacket sequentially market at 2 ft. intervals.
Featuring Descending Length Marking.
Third party verified to TIA/EIA-568-A, Category 3

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω/ 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. NEXT (dB)	Input Imped. (Ω)	Min. SRL (dB)
				Ft.	m	Lbs.	kg	Inch	mm								
Plenum • Low Smoke Polyvinyl Chloride Insulation • Olive Gray Low-Smoke Jacket																	
Olive Gray, Box	**24571097**	NEC:	3	1500	457.2	16.0	7.26	0.16	4.06	9.38	5.0	262	0.772	2.2	43.0	—	—
Olive Gray, Box	**24571111**	CMP	4	1000	304.8	19.0	8.62	0.19	4.70				1.0	2.6	41.0	100±15	12.0
Olive Gray, Box	**24571112**	CEC:	4	1500	457.2	19.0	8.62	0.19	4.70				4.0	5.6	32.0	100±15	12.0
Olive Gray, Reel	**24571110**	CMP	4	1000	304.8	19.0	8.62	0.19	4.70				8.0	8.5	28.0	100±15	12.0
													10.0	9.7	26.0	100±15	12.0
													16.0	13.1	23.0	100±15	10.0



Rip Cord

Jacket sequentially market at 2 ft. intervals.
Featuring Descending Length Marking.
Third party verified to TIA/EIA-568-A, Category 3

ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

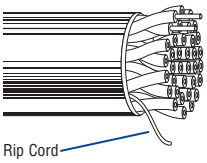
Color Codes: D-Inside and D-Flex

Pair No.	Color Combination
1	White/Blue Stripe & Blue/White Stripe
2	White/Orange Stripe & Orange/White Stripe
3	White/Green Stripe & Green/White Stripe
4	White/Brown Stripe & Brown/White Stripe

D-Series Multipair UTP Cable

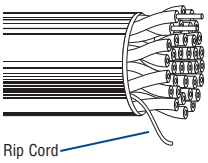
TIA/EIA-568-A and CSA T529-95, Category 3
Category 3 Nonbonded-pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω/ 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Input Imped. (Ω)	Min. SRL (dB)
				Ft.	m	Lbs.	kg	Inch	mm								
24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)																	
Non-Plenum • Semi-Rigid Polyvinyl Chloride Insulation • Olive Gray PVC Jacket																	
Olive Gray, Reel	**24501829**	NEC:	6	1000	304.8	28.0	12.7	0.21	5.3	—	8.8	262	0.772	2.2	43.0	100±15	12.0
Olive Gray, Reel	**24501837**	CMR	12	1000	304.8	50.0	22.7	0.28	7.1				1.0	2.6	41.0	100±15	12.0
Olive Gray, Reel	**24501848**	CEC:	16	984	300.0	64.0	29.0	0.32	8.0				4.0	5.6	32.0	100±15	12.0
Olive Gray, Reel	**24501858**	CMR	25	1000	304.8	100.0	45.4	0.39	10.0				8.0	8.5	28.0	100±15	12.0
Olive Gray, Reel	**24501877**		50	1000	304.8	194.0	87.0	0.53	13.4				10.0	9.7	26.0	100±15	12.0
Olive Gray, Reel	**24501887**		75	2083	635.0	279.0	126.6	0.63	16.0				16.0	13.1	23.0	100±15	10.0
Olive Gray, Reel	**24501897**		100	1575	480.0	365.0	165.6	0.72	18.2								
Olive Gray, Reel	**24501906**		200	900	274.3	703.0	318.9	0.99	25.1								



Jacket sequentially market at 2 ft. intervals.
Featuring Descending Length Marking.
Third party verified to TIA/EIA-568-A, Category 3

Plenum • Low Smoke Polyvinyl Chloride Insulation • Low-Smoke PVC Jacket (Gray or Translucent)																	
Translucent, Reel	**24571221**	NEC:	25	1500	457.2	107.0	48.5	0.42	10.7	—	8.8	262	0.772	2.2	43.0	100±15	12.0
Gray, Reel	**24571235**	CMP	50	1000	304.8	211.0	95.7	0.49	12.4				1.0	2.6	41.0	100±15	12.0
Gray, Reel	**24571250**	CEC:	100	1500	457.2	415.0	188.2	0.72	18.3				4.0	5.6	32.0	100±15	12.0
Gray, Reel	**24571265**	CMP	200	1000	304.8	874.0	396.4	1.04	26.3				8.0	8.5	28.0	100±15	12.0
Gray, Reel	**24571266**		300	1000	304.8	1234.0	559.7	1.27	32.3				10.0	9.7	26.0	100±15	12.0
													16.0	13.1	23.0	100±15	10.0



Jacket sequentially market at 2 ft. intervals.
Featuring Descending Length Marking.
Third party verified to TIA/EIA-568-A, Category 3

ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

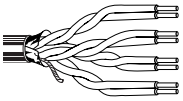
Color Codes: D-Series Multipair

Pair No.	Tip	Ring
1	White/Blue	Blue/White
2	White/Orange	Orange/White
3	White/Green	Green/White
4	White/Brown	Brown/White
5	White/Slate	Slate/White
6	Red/Blue	Blue/Red
7	Red/Orange	Orange/Red
8	Red/Green	Green/Red
9	Red/Brown	Brown/Red
10	Red/Slate	Slate/Red
11	Black/Blue	Blue/Black
12	Black/Orange	Orange/Black
13	Black/Green	Green/Black

Pair No.	Tip	Ring
14	Black/Brown	Brown/Black
15	Black/Slate	Slate/Black
16	Yellow/Blue	Blue/Yellow
17	Yellow/Orange	Orange/Yellow
18	Yellow/Green	Green/Yellow
19	Yellow/Brown	Brown/Yellow
20	Yellow/Slate	Slate/Yellow
21	Violet/Blue	Blue/Violet
22	Violet/Orange	Orange/Violet
23	Violet/Green	Green/Violet
24	Violet/Brown	Brown/Violet
25	Violet/Slate	Slate/Violet

DataTwist® 5e ScTP Cable

TIA/EIA-568-B.2, Category 5e Nonbonded-Pair Cables

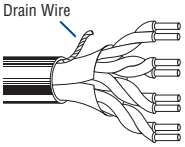
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω/ 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. (Ω)	Min. RL (dB)
				Ft.	m	Lbs.	kg	Inch	mm										
24 AWG Solid Bare Copper Conductors • Twisted Pairs • Overall Beldfoil® Shield • Drain Wire* • RJ-45 Compatible • See Color Code Chart (below)																			
Non-Plenum • Polyolefin Insulation • PVC Jacket (Available in Red, Orange, Yellow, Green, Blue, Gray or Black)																			
	**1533R**	NEC: CMR CEC: CMR	4	1000 A-1000 1640†	304.8 A-304.8 500.0	34.0 37.0 57.4	15.5 16.8 26.1	.260	6.60	9.38	3.0	330	1 4 8 10 16 20 25 31.25 62.5 100	2.0 4.1 5.8 6.5 8.2 9.3 10.4 11.7 17.0 22.0	62.3 53.3 48.8 47.3 44.3 42.8 41.3 39.9 35.4 32.3	60 49 43 41 36 34 31 28 18 10	60.8 48.7 42.7 40.8 36.7 34.7 32.8 30.9 24.8 20.8	100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15	20.0 23.0 24.5 25.0 25.0 25.0 24.3 23.6 21.5 20.1

†1640 ft. put-up available in Gray only.
Shield is bonded to jacket inner wall for electrical stability.
Jacket sequentially marked at 2 ft. intervals. • Third party verified to TIA/EIA-568-B.2, Category 5e

Non-Plenum • Polypropylene Insulation (Color Code: See Chart Below) **• Black Low-Smoke, Zero-Halogen Jacket**

300V RMS

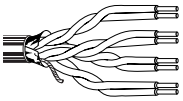
Drain Wire



1300SB new	NEC: CMG-LS CEC: CMG-LS FT4 Limited Smoke	4	1000	304.8	35.0	15.9	.260	6.60	9.3	3.0	330	1 4 8 10 16 20 25 31.25 62.5 100	2.0 4.1 5.8 6.5 8.2 9.3 10.4 11.7 17.0 22.0	62.3 53.3 48.8 47.3 44.3 42.8 41.3 39.9 35.4 32.3	60 49 43 41 36 34 31 28 18 10	60.8 48.7 42.7 40.8 36.7 34.7 32.8 30.9 24.8 20.8	100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15	20.0 23.0 24.5 25.0 25.0 25.0 24.3 23.6 21.5 20.1

LSZH and ABS Type Approved
Jacket sequentially marked at 2 ft. intervals.

Plenum • FEP Teflon® Insulation • Flamarrest® Jacket (Available in Red, Orange, Yellow, Green, Blue, Gray, Black or Natural)



1533P	NEC: CMP CEC: CMP	4	1000 A-1000	304.8 A-304.8	35.0 38.0	15.9 17.2	.235	6.00	9.38	3.0	330	1 4 8 10 16 20 25 31.25 62.5 100	2.0 4.1 5.8 6.5 8.2 9.3 10.4 11.7 17.0 22.0	62.3 53.3 48.8 47.3 44.3 42.8 41.3 39.9 35.4 32.3	60 49 43 41 36 34 31 28 18 10	60.8 48.7 42.7 40.8 36.7 34.7 32.8 30.9 24.8 20.8	100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15	20.0 23.0 24.5 25.0 25.0 25.0 24.3 23.6 21.5 20.1

Shield is bonded to jacket inner wall for electrical stability.
Jacket sequentially marked at 2 ft. intervals.
Third party verified to TIA/EIA-568-B.2, Category 5e

ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss
ScTP = Screened (Overall Foil) Twisted Pair(s)

*Drain wire is 24 AWG stranded tinned copper.

Color Codes: DataTwist 5e ScTP

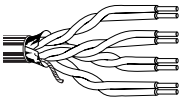
Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

Teflon is a DuPont trademark.

DataTwist® 5 ScTP Cable

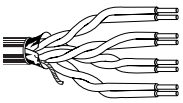
TIA/EIA-568-A, Category 5 Nonbonded-Pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths Ft.	Standard Lengths m	Standard Unit Wt. Lbs.	Standard Unit Wt. kg	Nominal OD Inch	Nominal OD mm	Max. DCR (Ω/ 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Input Imped. (Ω)	Min. SRL (dB)
24 AWG Solid Bare Copper Conductors • Twisted Pairs • Overall Beldfoil® Shield • Drain Wire* • RJ-45 Compatible • See Color Code Chart (below)																	
Non-Plenum • Polyolefin Insulation • PVC Jacket (Available in Red, Orange, Yellow, Green, Blue, Purple or Light Gray)																	
	1624R	NEC:	4	1000	304.8	33.0	15.0	.260	6.60	9.38	3.0	300	1	2.0	62.3	100±15	23.0
		CMR		A-1000	A-304.8	36.0	16.3						4	4.1	53.3	100±15	23.0
		CEC:		1640†	500.0	54.1	24.7						8	5.8	48.8	100±15	23.0
		CMR											10	6.5	47.3	100±15	23.0
													16	8.2	44.3	100±15	23.0
													20	9.3	42.8	100±15	23.0
													25	10.4	41.3	100±15	22.0
													31.25	11.7	39.9	100±15	21.1
													65.5	17.0	35.4	100±15	18.0
													100	22.0	32.3	100±15	16.0



†1640 ft. put-up available in Gray only.
Shield is bonded to jacket inner wall for electrical stability.
Jacket sequentially marked at 2 ft. intervals. • Third party verified to TIA/EIA-568-A, Category 5

Plenum • FEP Teflon® Insulation • Flamarrest® Jacket (Available in Red, Orange, Yellow, Green, Blue, Purple, Gray or Natural)																	
	1624P	NEC:	4	1000	304.8	32.0	14.5	.230	5.84	9.38	3.0	300	1	2.0	62.3	100±15	23.0
		CMP		A-1000††	A-304.8	35.0	15.9						4	4.1	53.3	100±15	23.0
		CEC:											8	5.8	48.8	100±15	23.0
		CMP											10	6.5	47.3	100±15	23.0
													16	8.2	44.3	100±15	23.0
													20	9.3	42.8	100±15	23.0
													25	10.4	41.3	100±15	22.0
													31.25	11.7	39.9	100±15	21.1
													65.5	17.0	35.4	100±15	18.0
													100	22.0	32.3	100±15	16.0



††A-1000 ft. put-up available in Yellow, Blue, Gray or Natural only.
Shield is bonded to jacket inner wall for electrical stability.
Jacket sequentially marked at 2 ft. intervals.
Third party verified to TIA/EIA-568-A, Category 5

DCR = DC Resistance • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • ScTP = Screened (Overall Foil) Twisted Pair(s)

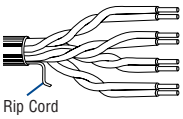
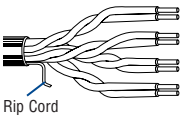
*Drain wire is 24 AWG stranded tinned copper on 1624R and 24 AWG solid tinned copper on 1624P.

Color Codes: DataTwist 5 ScTP

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

VideoTwist® 6 UTP Cable for RGB Video

TIA/EIA-568-B.2-1, Category 6 Bonded-Pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths Ft.	Standard Lengths m	Standard Unit Wt. Lbs.	Standard Unit Wt. kg	Nominal OD Inch	Nominal OD mm	Max. DCR (Ω/ 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. (Ω)	Min. RL (dB)
23 AWG Bonded-Pairs Solid BC Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)																			
Non-Plenum • Polypropylene Insulation • PVC Jacket																			
 Rip Cord	**7989R**	NEC: CMR CEC: CMG	4	1000 1640	304.8 500.0	32.0 52.5	14.5 23.8	.365 x .165	9.27 x 4.12	9.0	3.0	49.2	1 4 10 16 31.25 62.5 100 200 250	2.0 3.8 6.0 7.6 10.7 15.4 19.8 29.0 32.8	72.3 63.3 57.3 54.3 49.9 45.4 42.3 37.8 36.3	70.3 59.5 51.3 46.7 39.2 30.0 22.5 8.8 3.5	64.8 52.7 44.8 40.7 34.9 28.8 24.8 18.7 16.8	100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±22 100±32	20.0 23.0 25.0 25.0 23.6 21.5 20.1 18.0 17.3
Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 6																			
Plenum • FEP Insulation • Flamarrest® Jacket																			
 Rip Cord	**7989P**	NEC: CMP CEC: CMP	4	1000 1640	304.8 500.0	38.0 62.3	17.2 28.3	.365 x .165	9.27 x .4.12	9.0	3.0	49.2	1 4 10 16 31.25 62.5 100 200 250	2.0 3.8 6.0 7.6 10.7 15.4 19.8 29.0 32.8	72.3 63.3 57.3 54.3 49.9 45.4 42.3 37.8 36.3	70.3 59.5 51.3 46.7 39.2 30.0 22.5 8.8 3.5	64.8 52.7 44.8 40.7 34.9 28.8 24.8 18.7 16.8	100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±22 100±32	20.0 23.0 25.0 25.0 23.6 21.5 20.1 18.0 17.3
Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2-1, Category 6																			

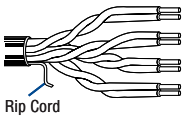
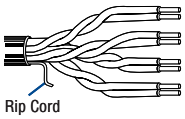
ACR = Attenuation Crosstalk Ratio • BC = Bare Copper • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

Color Codes: VideoTwist 6 RGB

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

DataTwist® 5e UTP Cable for RGB Video

TIA/EIA-568-B.2, Category 5e Bonded and Nonbonded-Pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω/ 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. (Ω)	Min. RL (dB)
				Ft.	m	Lbs.	kg	Inch	mm										
Low Skew 24 AWG Bonded Pairs Solid BC Conductors • Twisted Pairs • Skew 9,0ns/100m nom. • Rip Cord • See Color Code Chart																			
Non-Plenum • Polyolefin Insulation • Green PVC Jacket																			
 Rip Cord	**7988R**	NEC:	4	U-1000	U-304.8	22.0	10.0	.204	5.18	9.0	3.0	66.0	1	2.0	65.3	60.3	60.8	100±15	20.0
		CMR		U-1640	U-500.0	36.1	16.4						4	4.1	53.3	49.2	48.7	100±15	23.0
		CEC:											10	6.5	47.3	40.8	40.8	100±15	25.0
		CMG											16	8.2	44.3	36.0	36.7	100±15	25.0
													31.25	11.7	39.9	28.2	30.9	100±15	23.6
													62.5	17.0	35.4	18.4	24.8	100±15	21.5
													100	22.0	32.3	10.3	20.8	100±15	20.1
													200	32.4	27.8	1.0	14.7	100±25	15.0
Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 5e																			
Plenum • FEP Insulation • Green Flamarrest® Jacket																			
 Rip Cord	**7988P**	NEC:	4	U-1000	U-304.8	23.0	10.4	.193	4.90	9.0	3.0	66.0	1	2.0	65.3	60.3	60.8	100±15	20.0
		CMP		U-1640	U-500.0	37.7	17.1						4	4.1	53.3	49.2	48.7	100±15	23.0
		CEC:											10	6.5	47.3	40.8	40.8	100±15	25.0
		CMP											16	8.2	44.3	36.0	36.7	100±15	25.0
													31.25	11.7	39.9	28.2	30.9	100±15	23.6
													62.5	17.0	35.4	18.4	24.8	100±15	21.5
													100	22.0	32.3	10.3	20.8	100±15	20.1
													200	32.4	27.8	1.0	14.7	100±25	15.0
Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 5e																			

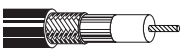
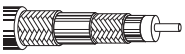
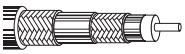
ACR = Attenuation Crosstalk Ratio • BC = Bare Copper • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

Color Codes: DataTwist 5e RGB

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

IEEE 802.3 • ISO/IEC 8802.3 10Base2 and 10Base5

Trunk Cables — Thinnet and Thicknet

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
Thinnet 10Base2 • 20 AWG Stranded (19x32) .037″ Tinned Copper Conductors • Duobond® II + Tinned Copper Braid Shield (93% Coverage)																			
Non-Plenum • Ethernet • Foam HDPE Insulation • Gray PVC Jacket																			
UL AWM Style 1354 (30V 60°C)	**9907**	NEC: CL2, CM CEC: CM	500 U-1000 1000 1640 2500 3280	152.4 U-304.8 304.8 500.0 762.0 1000.0	12.5 25.0 25.0 41.0 62.5 82.0	5.7 11.4 11.4 18.6 28.4 37.3	20 AWG (19x32) .037″ Tinned Copper 8.8Ω/M′ 28.9Ω/km	.102	2.59	Duobond II + 93% Tinned Copper Braid 5.8Ω/M′ 19.0Ω/km	.185	4.70	50	80%	25.4	83.3	1 10 50 100 200 400 700 900 1000	.43 1.30 2.90 4.20 6.10 8.90 12.10 13.90 14.80	1.4 4.3 9.5 13.8 20.0 29.2 39.7 45.6 48.6
																			
DEC Part No. 17-01248-00											For Plenum versions of 9907, see 89907 or 82907.								
Plenum Ethernet • Foam FEP Insulation • Natural Flamarrest® Jacket																			
300V 75°C	**82907**	NEC: CL2P, CMP CEC: CMP	500† U-1000 1000† 2500†	152.4 U-304.8 304.8 762.0	12.5 23.0 24.0 57.5	5.7 10.5 10.9 26.1	20 AWG (19x32) .037″ Tinned Copper 8.8Ω/M′ 28.9Ω/km′	.095	2.41	Duobond II + 93% Tinned Copper Braid 5.8Ω/M′ 19.0Ω/km	.160	4.06	50	80%	25.4	83.3	1 10 50 100 200 400 700 900 1000	.43 1.30 2.90 4.20 6.10 9.20 12.90 15.00 16.00	1.4 4.3 9.5 13.8 20.0 30.2 42.3 49.2 52.5
																			
Plenum Ethernet • Foam FEP Insulation • Gray Fluorocopolymer Jacket																			
300V 150°C	**89907†**	NEC: CL2P, CMP CEC: CMP	500† 1000† 2500†	152.4 304.8 762.0	12.5 24.0 60.0	5.7 10.9 27.3	20 AWG (19x32) .037″ Tinned Copper 8.8Ω/M′ 28.9Ω/km	.095	2.41	Duobond II + 93% Tinned Copper Braid 5.8Ω/M′ 19.0Ω/km	.160	4.06	50	80%	25.4	83.3	1 10 50 100 200 400 700 900 1000	.43 1.30 2.90 4.20 6.10 9.20 12.90 15.00 16.00	1.4 4.3 9.5 13.8 20.0 30.2 42.3 49.2 52.5
																			
DEC Part No. 17-01246-00 Suitable for Outdoor and Direct Burial applications.																			
Thicknet 10Base5 • 12 AWG Solid .086″ Bare Copper Conductor • Duobond IV* Quad Shield (100% Coverage)																			
Non-Plenum • Ethernet • Foam Polyethylene Insulation • Yellow PVC Jacket																			
UL AWM Style 1478 (30V 60°C)	**9880**	NEC: CL2, CM CEC: CM	500 1000 1640	152.4 304.8 500.0	66.0 131.0 219.8	30.0 59.5 99.9	12 AWG (solid) .086″ Bare Copper 1.42Ω/M′ 4.66Ω/km	.243	6.17	Duobond IV (Duobond II + 94% TC Braid + Duofoil® + 90% TC Braid) 1.52Ω/M′ 5.0Ω/km	.405	10.29	50	78%	26.0	85.0	1 5 10 50 100 200 400 700 900 1000	.19▲ .37▲ .52▲ 1.20▲ 1.70▲ 2.55▲ 3.90▲ 5.50▲ 6.50▲ 6.90▲	.62 1.21 1.71 3.94 5.58 8.37 12.80 18.10 21.30 22.60
											For Plenum version of 9880, see 89880.								
DEC Part No. 17-00451-00 Ring-band stripes marked every 2.5 meters to aid users in tap placement.																			
Plenum Ethernet • Foam FEP Insulation • Orange Fluorocopolymer Jacket																			
150°C	**89880**	NEC: CL2P, CMP CEC: CMP	1000† 1640†	304.8 500.0	134.0 224.7	60.9 102.1	12 AWG (solid) .086″ Bare Copper 1.42Ω/M′ 4.66Ω/km	.245	6.22	Duobond IV (Duobond II + 94% TC Braid + Duofoil + 90% TC Braid) 1.52Ω/M′ 5.0Ω/km	.375	9.53	50	78%	26.0	85.0	1 5 10 50 100 200 400 700 900 1000	.18 .37▲ .52▲ 1.15 1.65 2.45 3.80 5.60 6.80 7.20	.59 1.21 1.71 3.77 5.41 8.04 12.50 18.40 22.30 23.60
																			
DEC Part No. 17-00324-00 Suitable for Outdoor and Direct Burial applications. Ring-band stripes marked every 2.5 meters to aid users in tap placement.																			

DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

*Duobond IV = Duobond II (100% coverage) + tinned copper braid (90% coverage) + Duofoil® (100% coverage) + tinned copper braid (90% coverage).
Plenum version is Duobond II (100% coverage) + tinned copper braid (94% coverage) + Duofoil (100% coverage) + tinned copper braid (90% coverage).

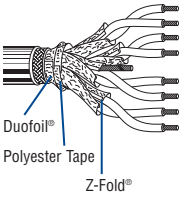
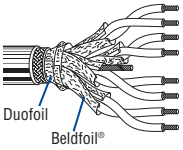
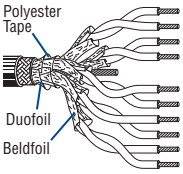
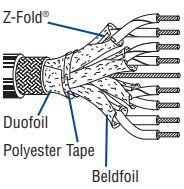
†Spools are one piece, but length may vary ±10% from length shown.

▲Maximum Attenuation

Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

IEEE 802.3 • ISO/IEC 8802.3 10Base5

Transceiver Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Wt. Lbs.	Standard Unit Wt. kg	Conductor (stranding) Nom. DCR	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Drain Wire	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance * pF/Ft.	Nominal Capacitance * pF/m	Nominal Capacitance ** pF/Ft.	Nominal Capacitance ** pF/m
28 and 24 AWG Stranded TC Conductors • Twisted Pairs • Overall Polyester Isolation Tape + Duofoil® + TC Braid Shield (92% Coverage) • Drain Wire																			
Non-Plenum • Polypropylene Insulation • Light Gray PVC Jacket																			
UL AWM Style 2919 (30V 80°C)	**9903**	NEC: CMG CEC: CMG	4	Gray/White, Yellow/Orange, Blue/Green, Black/Red	500 1000	152.4 304.8	21.5 43.0	9.8 19.5	3 Pair: 28 AWG (7x36) TC 65.0Ω/M′ 213.0Ω/km 1 Pair: 24 AWG (7x32) TC 24.0Ω/M′ 78.7Ω/km Each Pair Individually Beldfoil® Shielded	Polyester Isolation Tape + Duofoil + 92% Tinned Copper Braid 2.9Ω/M′ 9.5Ω/km	.250	6.35	24 AWG Stranded Tinned Copper	78♦	66%	19.7	64.6	34.8	114.2
																			
♦3 Pairs																			
20 AWG Stranded (7x28) TC Conductors • Twisted Pairs • Overall Polyester Isolation Tape + Duofoil + TC Braid Shield (95% Coverage) • Drain Wire																			
Non-Plenum • Datalene® Insulation • Light Gray PVC Jacket																			
UL AWM Style 2919 (30V 80°C)	**9901**	NEC: CL2, CM CEC: CM	4	Gray/White, Yellow/Orange, Blue/Green, Black/Red	500 1000	152.4 304.8	53.5 106.0	24.3 48.2	20 AWG (7x28) Tinned Copper Each Pair Individually Beldfoil Shielded 10.5Ω/M′ 34.4Ω/km	Polyester Isolation Tape + Duofoil + 95% Tinned Copper Braid 2.0Ω/M′ 6.6Ω/km	.415	10.54	22 AWG Stranded Tinned Copper	78	78%	16.7	54.8	29.5	96.8
																			
For Plenum version of 9901, see 89901.																			
DEC Part No. 17-01320-00																			
UL AWM Style 2919 (30V 80°C)	**9902**	NEC: CL2, CM CEC: CM	5	Gray/White, Yellow/Orange, Blue/Green, Red/Brown, Red/Black	500 1000	152.4 304.8	76.0 145.0	34.5 65.9	20 AWG (7x28) Tinned Copper Each Pair Individually Beldfoil Shielded 10.5Ω/M′ 34.4Ω/km	Polyester Isolation Tape + Duofoil + 95% Tinned Copper Braid 1.65Ω/M′ 5.4Ω/km	.495	12.58	20 AWG Stranded Tinned Copper	78	78%	16.7	54.8	29.5	96.8
																			
Plenum • FEP Teflon® Insulation†† • Light Gray Fluorocopolymer (PVDF) Jacket																			
150°C	**89901**	NEC: CMP CEC: CMP	4	Gray/White, Yellow/Orange, Blue/Green, Red/Black	500†† 1000††	152.4 304.8	51.5 104.0	23.4 47.3	20 AWG (7x28) Tinned Copper Each Pair Individually Beldfoil Shielded 10.5Ω/M′ 34.4Ω/km	Polyester Isolation Tape + Duofoil + 95% Tinned Copper Braid 1.5Ω/M′ 4.9Ω/km	.370	9.40	22 AWG Stranded Tinned Copper	78	78%	16.7	54.8	29.5	96.8
																			

††Foam FEP (data pairs) and solid FEP (power pair).
DEC Part No. 17-01319-00 • Suitable for Outdoor and Direct Burial applications.

DCR = DC Resistance • TC = Tinned Copper

* Capacitance between conductors.
** Capacitance between one conductor and other conductors connected to shield.
†† Spools are one piece, but length may vary ±10% from length shown.

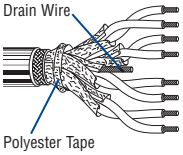
Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

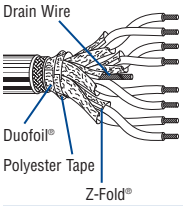
Teflon is a DuPont trademark.

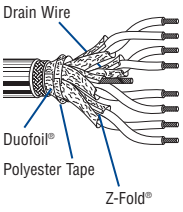
IEEE 802.3 • Ethernet 10Base5

Transceiver Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Wt.		Conductor (stranding) Nom. DCR	Shielding Materials Nom. DCR	Nominal OD		Drain Wire	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
					Ft.	m	Lbs.	kg			Inch	mm				* pF/Ft.	* pF/m	** pF/Ft.	** pF/m
20 AWG Stranded (7x28) .038″ TC Cond. • Twisted Pairs • Beldfoil® (100% Coverage) + Polyester Tape + TC Braid Shield (95% Cov,) • Drain Wire																			
Non-Plenum • Ethernet • Datalene® Insulation • Light Blue PVC Jacket																			
UL AWM Style 2919 (30V 80°C)	**9892**	NEC: CM, CL2 CEC: CM	4	Gray/White, Yellow/Orange, Blue/Green, Black/Red	500 1000	152.4 304.8	51.5 101.0	23.4 45.9	20 AWG (7x28) .038″ Tinned Copper 9.5Ω/M′ 31.2Ω/km	Polyester Isolation Tape + 95% Tinned Copper Braid 1.9Ω/M′ 6.2Ω/km	.398	10.1	22 AWG (7x30) Tinned Copper	78	78%	16.7	54.8	29.5	96.8
20 AWG Stranded (7x28) .038″ TC Conductors • Twisted Pairs • Beldfoil® Inner + Overall Duofoil® (100% Coverage) + TC Braid Shield (95% Cov.)																			
Plenum • Ethernet • Foam FEP Insulation (Data) **• Solid FEP Insulation** (Power) **• Brown Fluorocopolymer Jacket**																			
	89892	NEC: CMP CEC: CMP	4	Gray/White, Yellow/Orange, Blue/Green, Red/Black	500 1000	152.4 304.8	50.0 101.0	22.7 45.9	20 AWG (7x28) .038″ Tinned Copper 9.5Ω/M′ 31.2Ω/km	Polyester Isolation Tape + Duofoil + 95% Tinned Copper Braid 1.5Ω/M′ 4.9Ω/km	.359	9.1	22 AWG (7x30) Tinned Copper	78	78%	16.7	54.8	29.5	96.8
20 and 22 AWG Stranded TC Conductors • Twisted Pairs • Beldfoil® Inner Shield (100% Coverage) + Overall TC Braid Shield (95% Coverage)																			
Non-Plenum • Ethernet • Foam HDPE (22 AWG) and PVC (20 AWG) Insulation • Light Blue PVC Jacket																			
UL AWM Style 2919 (30V 80°C)	**9891**	NEC: CM CEC: CM	4	Black/White, Yellow/Orange, Blue/Green, Gray/Purple	100 500 1000	30.4 152.4 304.8	7.4 36.0 70.0	3.7 16.3 16.3	3 Pair: 22 AWG (7x30) TC 14.7Ω/M′ 48.23Ω/km Foam HDPE Insulation 1 Pair: 20 AWG (7x28) TC 9.5Ω/M′ 31.1Ω/km PVC Insulation	Each Pair Individually Beldfoil® Shielded, Overall Duofoil + 95% Tinned Copper Braid 1.8Ω/M′ 5.9Ω/km	.316	8.0	22 AWG (7x30) Tinned Copper	78♦	78%♦	16.7♦	54.8♦	29.5♦	96.8♦







♦3 Pairs

DCR = DC Resistance • HDPE = High=density Polyethylene • TC = Tinned Copper

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

Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

IEEE 802.4 MAP & Mini-MAP • IEEE 802.7

Broadband Coaxial Cables

RG-6/U Type • 18 AWG Solid Bare Copper-covered Steel Conductor • Duobond® IV* Quad Shield (100% Coverage)

Non-Plenum • Gas-injected Foam Polyethylene Insulation • Gray PVC Jacket

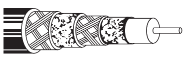
Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 Ft.	Nominal Attenuation dB/100m
	3131A	NEC:	1000 **	304.8	41.0	18.6	18 AWG	.180	4.57	Duobond IV	.300	7.62	75	82%	16.2	53.1	1	.35	1.2
		CL2R,	2500 †	762.2	102.5	46.5	(solid)			Quad Shield							2	.38	1.3
		CMR					.040″			3.6Ω/M′							5	.45	1.5
		CEC:					BCCS			11.8Ω/km							10	.59	1.9
		CMG					28.0Ω/M′										20	.86	2.8
							91.8Ω/km										50	1.37	4.5
																	100	1.97	6.5
																	200	2.82	9.3
																	300	3.48	11.4
																	400	4.04	13.3

Sweep tested 5 MHz to 400 MHz.
CPE jacket optional.

Tap marks every 2.6 meters to aid users in installation.

Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 Ft.	Nominal Attenuation dB/100m
150°C	3132A	NEC:	1000 **	304.8	36.0	16.4	18 AWG	.170	4.32	Duobond IV	.274	6.96	75	82%	16.3	53.5	1	.36	1.2
		CMP					(solid)			Quad Shield							2	.38	1.3
		CEC:					.040″			3.6Ω/M′							5	.50	1.6
		CMP					BCCS			11.8Ω/km							10	.65	2.1
							28.0Ω/M′										20	.95	3.1
							91.8Ω/km										50	1.50	4.9
																	100	2.12	7.0
																	200	2.99	9.8
																	300	3.66	12.0
																	400	4.23	13.9



Sweep tested 5 MHz to 400 MHz.

Tap marks every 2.6 meters to aid users in installation.
Suitable for Outdoor and Direct Burial applications.

BCCS = Bare Copper Covered Steel • DCR = DC Resistance

*Duobond IV Quad Shield = Duobond + 60% aluminum braid + Duofoil® + 40% aluminum braid.
†Spools are one piece, but length may vary ±10% from length shown.

**1000' exact 1 pc.

Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

IEEE 802.4 MAP & Mini-MAP • IEEE 802.7

Broadband Coaxial Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
RG-11/U Type • 14 AWG Solid Bare Copper-covered Steel Conductor • Duobond IV* Quad Shield (100% Coverage)																			
Non-Plenum • Gas-injected Foam Polyethylene Insulation • Gray PVC Jacket																			
	3094A	NEC: CL2R, CMR CEC: CMG	500 **	152.4	31.0	14.1	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.280	7.11	Duobond IV Quad Shield 1.5Ω/M′ 4.9Ω/km	.407	10.34	75	82%	16.2	53.1	1	.16	.5
			1000 **	304.8	62.0	28.2											2	.18	.6
			2000 †	609.6	122.0	55.3											5	.26	.9
																	10	.38	1.2
																	20	.55	1.8
												Sweep tested 5 MHz to 400 MHz.					50	.83	2.7
												CPE jacket optional.					100	1.17	3.8
																	200	1.60	5.3
																	300	1.99	6.6
Tap marks every 2.6 meters to aid users in installation.																	400	2.30	7.6
Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket																			
150°C	**3095A**	NEC: CMP CEC: CMP	1000 **	304.8	76.0	34.5	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.280	7.11	Duobond IV Quad Shield 3.9Ω/M′ 12.8Ω/km	.387	9.83	75	82%	16.5	54.1	1	.17	.6
																	2	.22	.7
																	5	.28	.9
																	10	.40	1.3
																	20	.60	2.0
												Sweep tested 5 MHz to 400 MHz.					50	1.20	3.9
																	100	1.70	5.6
																	200	2.50	8.2
Tap marks every 2.6 meters to aid users in installation. Suitable for Outdoor and Direct Burial applications.																	300	3.04	10.0
																	400	3.50	11.5

BCCS = Bare Copper Covered Steel • DCR = DC Resistance

*Duobond IV Quad Shield = Duobond + 60% aluminum braid + Duofoil® + 40% aluminum braid.
†Spools are one piece, but length may vary ±10% from length shown.

**500' & 1000' exact 1 pc.

Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

IEEE 802.5; ISO/IEC 8802.5

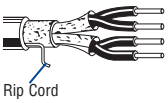
IBM Cabling System
Types 1A and 1

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		AWG (stranding) Diameter Nom. DCR	Shielding	Nom. Imped. (Ω)	Nominal Capacitance		Freq. (MHz)	Maximum Attenuation		Min. NEXT	
				Ft.	m	Lbs.	kg	Inch	mm				* pF/Ft.	* pF/m		(dB/ 1000′)	(dB/ 100m)	(dB/ 3280′)	(dB/ 1000m)

IBM Type 1A • 22 AWG Solid BC Conductors • Each Pair Individually Beldfoil® Shielded + Overall TC Braid Shield (65% Coverage) • Rip Cord

Non-Plenum • Flame-retardant Foam Polyethylene Insulation • Black PVC Jacket

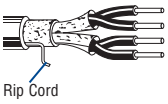
IBM Part No.	**9688**	NEC:	2	500†	152.4	26.5	12.0	.296	7.52	22	100%	150	8.5	27.9	4	6.7	2.2	58.0	58.0
4716748		CMG		1000†	304.8	50.0	22.7	x	x	(solid)	Beldfoil				16	13.4	4.4	50.4	50.4
33G2772		CEC:		2000†	609.8	102.0	46.3	.431	10.95	BC	Each Pair				100	37.5	12.3	38.5	38.5
		CMG		3600†	1097.6	190.8	86.5			.026″	+ 65%				300	65.2	21.4	31.3	31.3
										16.7Ω/M′	TC Braid				100††	40.8	13.4	—	—
										54.7Ω/km	Overall				300††	71.0	23.3	—	—
															600††	100.3	32.9	—	—


Rip Cord

Meets IEEE 802.5 and TIA/EIA-568-A specifications, ETL verified. For Token Ring (4/16 Mbps), FDDI over copper, and video applications.
IBM qualified Type 1A Media cable for use in IBM Cabling Systems. For Non-suffix "A" Type IBM Product, **see 1634A** below.

Plenum • Foam FEP Teflon® Insulation • Black Flamarrest® Jacket

IBM Part No.	**82688**	NEC:	2	1000†	304.8	47.0	21.4	.248	6.30	22	100%	150	8.5	27.9	4	6.7	2.2	58.0	58.0
4716749		CMP						x	x	(solid)	Beldfoil				16	13.4	4.4	50.4	50.4
33G8220		CEC:						.348	8.84	BC	Each Pair				100	37.5	12.3	38.5	38.5
		CMP								.026″	+ 65%				300	65.2	21.4	31.3	31.3
										16.7Ω/M′	TC Braid				100††	40.8	13.4	—	—
										54.7Ω/km	Overall				300††	71.0	23.3	—	—
															600††	100.3	32.9	—	—

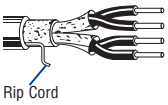

Rip Cord

Meets IEEE 802.5 and TIA/EIA-568-A specifications, ETL verified.
IBM qualified Type 1A Media cable for use in IBM Cabling Systems. For Token Ring (4/16 Mbps), FDDI over copper, and video applications.

IBM Type 1 • 22 AWG Solid BC Conductors • Each Pair Individually Beldfoil Shielded + Overall TC Braid Shield (65% Coverage) • Rip Cord

Non-Plenum • Flame-retardant Foam Polyethylene Insulation • Black PVC Jacket

IBM Part No.	**1634A**	NEC:	2	1000†	304.8	50.0	22.7	.296	7.52	22	100%	150	8.5	27.9	4	6.7	2.2	58.0	58.0
4716748		CMG		2000†	609.8	102.0	46.4	x	x	(solid)	Beldfoil				16	13.4	4.4	40.0	40.0
		CEC:		3600†	1097.6	190.8	86.7	.431	10.95	BC	Each Pair								
		CMG								.026″	+ 65%								
										17.4Ω/M′	TC Braid								
										57.1Ω/km	Overall								


Rip Cord

Meets IEEE 802.5 and TIA/EIA-568-A specifications, ETL verified. For Token Ring (4/16 Mbps), FDDI over copper, and video applications.
IBM qualified Type 1 Media cable for use in IBM Cabling Systems. For Suffix A counterpart see 9688 above.

DCR = DC Resistance • BC = Bare Copper • NEXT = Near-end Crosstalk • TC = Tinned Copper

* Capacitance between conductors
† Spools are one piece, but length may vary ±10% from length shown.
†† Common mode

Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

Teflon is a DuPont trademark.

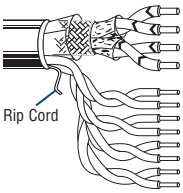
IEEE 802.5; ISO/IEC 8802.5

IBM Cabling System
Types 2A and 6A

IBM Type 2A • 22 AWG Solid Bare Copper Conductors • Each Pair Individually Beldfoil® Shielded + Overall TC Braid Shield (65% Coverage)

Non-Plenum • Flame-retardant Foam Polyethylene Insulation • Black PVC Jacket

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths Ft.	Standard Lengths m	Standard Unit Wt. Lbs.	Standard Unit Wt. kg	Nominal OD Inch	Nominal OD mm	AWG (stranding) Diameter Nom. DCR	Shielding	Nom. Imped. (Ω)	Nominal Capacitance * pF/Ft.	Nominal Capacitance * pF/m	Freq. (MHz)	Maximum Attenuation (dB/ 1000′)	Maximum Attenuation (dB/ 100m)	Min. NEXT (dB/ 3280′)	Min. NEXT (dB/ 1000m)
IBM Part No.	**9689**	NEC:	6▲	1000†	304.8	80.0	36.4	.324	8.23	22	100%	150	8.5	27.9	1k**	.390	.128	—	—
4716739		CMG		3600†	1097.6	298.8	135.8	x	x	(solid)	Beldfoil	@ 1MHz	(data)	(data)	4	6.7	2.2	58.0	58.0
33G2773		CEC:						.466	11.84	BC	Each Pair	(data)			16	13.4	4.4	50.4	50.4
		CMG								.026″	+ 65%	600			100	37.5	12.3	38.5	38.5
										16.7Ω/M′	TC Braid	@ 1kHz			300	65.2	21.4	31.3	31.3
										54.7Ω/km	Overall	(voice)			100††	40.8	13.4	—	—
											(data only)				300††	71.0	23.3	—	—
															600††	100.3	32.9	—	—

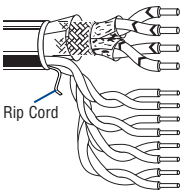


For Plenum version of 9689, see 82689.

IBM qualified Type 2A Media cable for use in IBM Cabling Systems.

Plenum • Foam FEP Teflon® Insulation • Black Flamarrest® Jacket

IBM Part No.	82689	NEC:	6▲	1000†	304.8	79.0	35.9	.324	8.23	22	100%	150	8.5	27.9	1k**	.390	.128	—	—
4716738		CMP						x	x	(solid)	Beldfoil	@ 1MHz	(data)	(data)	4	6.7	2.2	58.0	58.0
33G8221		CEC:						.460	11.68	BC	Each Pair	(data)			16	13.4	4.4	50.4	50.4
		CMP								.026″	+ 65%	600			100	37.5	12.3	38.5	38.5
										16.7Ω/M′	TC Braid	@ 1kHz			300	65.2	21.4	31.3	31.3
										54.7Ω/km	Overall	(voice)			100††	40.8	13.4	—	—
											(data only)				300††	71.0	23.3	—	—
															600††	100.3	32.9	—	—



IBM qualified Type 2A Media cable for use in IBM Cabling Systems.

IBM Type 6A • 26 AWG Stranded (7x34) BC Conductors • Twisted Pairs • Beldfoil Shielded Pairs + Overall TC Braid Shield (65% Coverage)

Non-Plenum • Datalene® Insulation • Striated Black PVC Jacket

IBM Part No.	1215A	NEC:	2	1000†	304.8	46.0	20.9	.325	8.26	26	100%	150	8.5	27.9	4	10	3.3	52.0	52.0
4716743		CL2, CM								(7x34)	Beldfoil				16	20	6.6	44.0	44.0
33G2775		CEC:								BC	Each Pair				100	57	18.7	33.0	33.0
		CM								.019″	+ 65%				300	100	32.3	25.0	25.0
										38.7Ω/M′	TC Braid								
										127.0Ω/km	Overall								

IBM qualified Type 6A Office cable for use in IBM Cabling Systems.

BC = Bare Copper • DCR = DC Resistance • NEXT = Near-end Crosstalk • TC = Tinned Copper

* Capacitance between conductors
** Voice pairs (1 kHz); Data pairs (4–600 MHz)
† Spools are one piece, but length may vary ±10% from length shown.
†† Common mode
▲ (2) shielded Data-grade pairs; (4) unshielded Voice-grade media pairs

Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

Teflon is a DuPont trademark.

Industrial Data Solutions® — Industrial Ethernet

Category 5e DataTuff® Twisted Pair Cables, 2-Pair and 4-Pair Heavy-Duty Sunlight and Oil-Resistant Jackets

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths Ft.	Standard Lengths m	Standard Unit Wt. Lbs.	Standard Unit Wt. kg	Nominal OD Inch	Nominal OD mm	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. (Ω)	Min. RL (dB)
Enhanced Cat 5e • 24 AWG Bonded-Pairs Solid BC Conductors • Rip Cord • See Color Codes below																
Polyolefin Insulation • .030″ Industrial Grade Sunlight- and Oil-resistant PVC Jacket (Black, Red or Teal)																
EtherNet/IP Compliant	7932A new	NEC: CMR CEC: CMR FT4	2	1000	304.8	19.0	8.61	.207	5.26	1	2.0	65.3	63.3	60.8	100±12	20.0
				2000 ▲	609.6	38.0	17.24			4	4.0	56.3	52.3	48.7	100±12	23.6
										8	5.7	51.8	46.1	42.7	100±12	25.4
										10	6.4	50.3	43.9	40.8	100±12	26.0
										16	8.1	47.3	39.1	36.7	100±12	26.0
										25	10.3	44.3	34.1	32.8	100±15	25.5
										31.25	11.6	42.9	31.3	30.9	100±15	25.0
										62.5	16.8	38.4	21.6	24.8	100±15	23.5
										100	21.7	35.3	17.1	20.8	100±15	22.5
										155	27.7	32.5	4.7	16.9	100±18	19.0
										200	32.0	30.8	3.0	14.7	100±20	19.0
										250	36.4	29.3	—	12.8	100±20	18.0
										350	44.3	27.2	—	9.9	100±22	17.0
Rip Cord																
▲2000 ft. put-up available in Black only. • M-12 or RJ-45 Compatible • Jacket sequentially marked at 2 ft. intervals Cable passes -40°C Cold Bend per UL1581 • Installation Temperature: -25°C to +75°C • Operating Temperature: -40°C to +75°C** Third party verified to TIA/EIA-568-B.2, Category 5e • U.S. Patents 5,606,151 and 5,734,126																
EtherNet/IP Compliant	7923A	NEC: CMR, CMX-Outdoor CEC: CMR FT4	4	1000	304.8	28.0	12.7	.230	5.84	1	2.0	65.3	63.3	60.8	100±12	20.0
				2000 ▲	609.6	54.0	24.5			4	4.0	56.3	52.3	48.7	100±12	23.6
										8	5.7	51.8	46.1	42.7	100±12	25.4
										10	6.4	50.3	43.9	40.8	100±12	26.0
										16	8.1	47.3	39.1	36.7	100±12	26.0
										25	10.3	44.3	34.1	32.8	100±15	25.5
										31.25	11.6	42.9	31.3	30.9	100±15	25.0
										62.5	16.8	38.4	21.6	24.8	100±15	23.5
										100	21.7	35.3	17.1	20.8	100±15	22.5
										155	27.7	32.5	4.7	16.9	100±18	19.0
										200	32.0	30.8	3.0	14.7	100±20	19.0
										250	36.4	29.3	—	12.8	100±20	18.0
										350	44.3	27.2	—	9.9	100±22	17.0
Rip Cord																
▲2000 ft. put-up available in Black only. • RJ-45 Compatible • Jacket sequentially marked at 2 ft. intervals Cable passes -40°C Cold Bend per UL1581• Installation Temperature: -25°C to +75°C • Operating Temperature: -40°C to +75°C** Third party verified to TIA/EIA-568-B.2, Category 5e • U.S. Patents 5,606,151 and 5,734,126 • P-07-KA060003-MSHA*																
Polyolefin Insulation • Waterblocked Sunlight- and Oil-resistant Black Polyethylene Jacket																
EtherNet/IP Compliant Halogen-Free Burial	7934A new	—	4	1000	304.8	25.0	11.34	.230	5.84	1	2.0	62.3	60.0	60.8	100±15	20.0
										4	4.1	53.3	49.0	48.7	100±15	23.6
										8	5.8	48.8	43.0	42.7	100±15	25.4
										10	6.5	47.3	41.0	40.8	100±15	26.0
										16	8.2	44.3	36.0	36.7	100±15	26.0
										20	9.3	42.8	33.5	34.7	100±15	26.0
										25	10.4	41.3	30.9	32.8	100±15	25.5
										31.25	11.7	39.9	28.0	30.9	100±15	25.0
										62.5	17.0	35.4	19.0	24.8	100±15	23.5
										100	22.0	32.3	11.0	20.8	100±15	22.5
										155	28.1	29.5	1.4	16.9	100±25	15.8
										200	32.0	27.8	1.0	14.7	100±25	15.0
RJ-45 Compatible • Jacket sequentially marked at 3 ft. intervals Cable passes -40°C Cold Bend per UL1581 • Installation Temperature: -25°C to +75°C • Operating Temperature: -40°C to +75°C** Third party verified to TIA/EIA-568-B.2, Category 5e • U.S. Patents 5,606,151 and 5,734,126 • Waterblocked per Telcordia, IEC and ICEA																
Plenum • FEP Insulation • Sunlight-, Oil- and Gas-resistant Black FEP Jacket																
EtherNet/IP Compliant High & Low Temp Oil Res I & II Gas Res	7928A	NEC: Limited Combustible FHC 25/50 CMP CEC: CMP FT6	4	1000	304.8	24.0	10.9	.187	4.75	1	2.0	65.3	63.3	60.8	100±12	20.0
										4	4.0	56.3	52.3	48.7	100±12	23.6
										8	5.7	51.8	46.1	42.7	100±12	25.4
										10	6.4	50.3	43.9	40.8	100±12	26.0
										16	8.1	47.3	39.1	36.7	100±12	26.0
										25	10.3	44.3	34.1	32.8	100±15	25.5
										31.25	11.6	42.9	31.3	30.9	100±15	25.0
										62.5	16.8	38.4	21.6	24.8	100±15	23.5
										100	21.7	35.3	17.1	20.8	100±15	22.5
										155	27.7	32.5	4.7	16.9	100±18	19.0
										200	32.0	30.8	3.0	14.7	100±20	19.0
										250	36.4	29.3	—	12.8	100±20	18.0
										350	44.3	27.2	—	9.9	100±22	17.0
RJ-45 Compatible Cable passes -70°C Cold Bend per UL1581 • Installation Temperature: -55°C to +150°C • Operating Temperature: -70°C to +150°C** Jacket sequentially marked at 2 ft. intervals • Third party verified to TIA/EIA-568-B.2, Category 5e • U.S. Patents 5,606,151 and 5,734,126																
Polyolefin Insulation • PVC Inner Jacket • .035″ Industrial Grade PVC Outer Jacket (Black, Gray, Red, Teal or Blue)																
EtherNet/IP Compliant Upjacketed	11700A	NEC: CMR, CMX-Outdoor CEC: CMR FT4	4	1000	304.8	39.0	17.7	.285	7.24	1	2.0	65.3	63.3	60.8	100±12	20.0
				3000 †	914.4	117.0	53.2			4	4.0	56.3	52.3	48.7	100±12	23.6
								Nominal		8	5.7	51.8	46.1	42.7	100±12	25.4
								Core OD:		10	6.4	50.3	43.9	40.8	100±12	26.0
								.200	5.08	16	8.1	47.3	39.1	36.7	100±12	26.0
										25	10.3	44.3	34.1	32.8	100±15	25.5
										31.25	11.6	42.9	31.3	30.9	100±15	25.0
										62.5	16.8	38.4	21.6	24.8	100±15	23.5
										100	21.7	35.3	17.1	20.8	100±15	22.5
										155	27.7	32.5	4.7	16.9	100±18	19.0
										200	32.0	30.8	3.0	14.7	100±20	19.0
										250	36.4	29.3	—	12.8	100±20	18.0
										350	44.3	27.2	—	9.9	100±22	17.0
Rip Cords																
†3000 ft. put-up available in Black only. • Outer jacket is sunlight- and oil-resistant. • Jacket sequentially marked at 2 ft. intervals Cable passes -40°C Cold Bend per UL1581 • Installation Temperature: -25°C to +75°C • Operating Temperature: -40°C to +75°C** RJ-45 Compatible • Third party verified to TIA/EIA-568-B.2, Category 5e • U.S. Patents 5,606,151 and 5,734,126 • P-07-KA060005-MSHA*																
Oil Res I & II Upjacketed	11700A2 new	NEC: CMR CEC: CMR FT4	4	1000 ††	304.8	42.0	19.1	.285	7.24	1	2.0	65.3	63.3	60.8	100±12	20.0
				2000 ††	609.6	86.0	39.1			4	4.0	56.3	52.3	48.7	100±12	23.0
								Nominal		8	5.7	51.8	46.1	42.7	100±12	24.5
								Core OD:		10	6.4	50.3	43.9	40.8	100±12	25.0
								.200	5.08	16	8.1	47.3	39.1	36.7	100±12	25.0
										25	10.3	44.3	34.1	32.8	100±15	24.3
										31.25	11.6	42.9	31.3	30.9	100±15	23.6
										62.5	16.8	38.4	21.6	24.8	100±15	21.5
										100	21.7	35.3	17.1	20.8	100±15	20.1
										155	27.7	32.5	4.7	16.9	100±18	19.0
										200	32.0	30.8	3.0	14.7	100±20	19.0
										250	36.4	29.3	—	12.8	100±20	18.0
										350	44.3	27.2	—	9.9	100±22	17.0
Rip Cord																
††1000 ft. put-up available in Black or Blue only, 2000 ft. put-up in Black only. • RJ-45 Compatible • Outer jacket is sunlight resistant. Cable passes -10°C Cold Bend per UL1581 • Installation Temperature: +5°C to +75°C • Operating Temperature: -10°C to +75°C** Jacket sequentially marked at 2 ft. intervals • Third party verified to TIA/EIA-568-B.2, Category 5e • U.S. Patents 5,606,151 and 5,734,126																

ACR = Attenuation Crosstalk Ratio • BC = Bare Copper • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • TC = Tinned Copper

*Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration Certification.
**Subject to length de-rating.

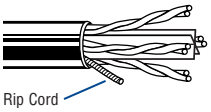
EtherNet/IP is a trademark of ControlNet International, Ltd. under license by Open DeviceNet Vendor Association, Inc.

DataTuff Color Codes: **Pair 1** = White/Blue Stripe & Blue, **Pair 2** = White/Orange Stripe & Orange, **Pair 3** = White/Green Stripe & Green, **Pair 4** = White/Brown Stripe & Brown
For two pair products: use color codes for Pairs 2 & 3

Industrial Data Solutions® — Industrial Ethernet

Category 6 DataTuff® Twisted Pair Cables, 4-Pair
Heavy-Duty Jackets

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths Ft.	Standard Lengths m	Standard Unit Wt. Lbs.	Standard Unit Wt. kg	Nominal OD Inch	Nominal OD mm	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. (Ω)	Min. RL (dB)
Enhanced Cat 6 • 23 AWG Bonded-Pairs Solid BC Conductors • Patented E-Spline Center Member • Rip Cord • See Color Code Chart																
Polyolefin Insulation • .030″ Industrial Grade Sunlight- and Oil-resistant Black PVC Jacket																
	7927A	NEC:	4	1000	304.8	44.0	20.0	.251	6.38	1	1.9	80.3	78.5	70.8	100±12	20.0
		CMR		2000	609.6	88.0	39.9	x	x	10	5.7	65.3	59.6	50.8	100±12	25.0
		CEC:						.339	8.61	31.25	10.2	57.9	47.7	40.9	100±15	25.0
		CMR FT4								62.5	14.7	53.4	38.7	34.9	100±15	25.0
										100	18.9	50.3	31.4	30.8	100±15	25.0
										155	23.9	47.5	23.5	27.0	100±15	22.8
										200	27.5	45.8	18.3	24.8	100±15	21.7
										250	31.2	44.3	13.2	22.8	100±20	20.5
										350	37.7	40.2	4.5	19.9	100±22	19.8
										400	40.6	39.3	0.6	18.8	100±22	19.5
										500	46.2	37.8	>0.0◆	16.8	100±22	18.4
										550	48.8	37.2	—	16.0	100±22	18.0
										600	51.4	36.6	—	15.2	100±22	17.6

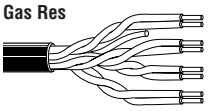


RJ-45 Compatible • Jacket sequentially marked at 2 ft. intervals • Third party verified to TIA/EIA-568-B.2-1, Category 6
Cable passes -40°C Cold Bend per UL1581 • Installation Temperature: -25°C to +75°C • Operating Temperature: -40°C to +75°C**
◆PSUM ACR >0 is guaranteed to 460 MHz. • U.S. Patents 5,606,151; 5,734,126; 5,789,711 and 6,297,454-B1

Cat 6 • 23 AWG Bonded-Pairs Solid BC Conductors • See Color Code Chart (below)

Plenum • FEP Insulation • Sunlight-, Oil- and Gas-resistant Black FEP Jacket

High & Low Temp Oil Res I & II Gas Res	**7931A**	NEC:	4	1000	304.8	35.0	15.9	.214	5.44	1	2.0	72.3	70.3	64.8	100±15	20.0
		Limited								10	6.0	57.3	51.3	44.8	100±15	25.0
		Combustible								20	8.5	52.8	44.3	38.7	100±15	25.0
		FHC 25/50								31.25	10.7	49.9	39.2	34.9	100±15	23.6
		CMP								62.5	15.4	45.4	30.0	28.8	100±15	21.5
		CEC:								100	19.8	42.3	22.5	24.8	100±15	20.1
		CMP FT6								200	29.0	37.8	8.8	18.7	100±22	18.0
										250	32.8	36.3	3.5	16.8	100±32	17.3

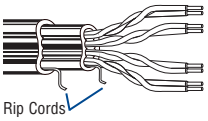


RJ-45 Compatible
Cable passes -70°C Cold Bend per UL1581 • Installation Temperature: -55°C to +150°C • Operating Temperature: -70°C to +150°C**
Jacket sequentially marked at 2 ft. intervals • Third party verified to TIA/EIA-568-B.2-1, Category 6 • U.S. Patents 5,606,151 and 5,734,126

Enhanced Cat 6 • 23 AWG Bonded-Pairs Solid BC Conductors • Rip Cord • See Color Code Chart (below)

Polyolefin Insulation • PVC Inner Jacket • .035″ Industrial Grade PVC Outer Jacket (Black or Gray)

Upjacketed	**11872A**	NEC:	4	1000	304.8	66.0	30.0	.475	12.07	1	1.9	72.3	70	64.8	100±12	20.0
		CM						x	x	4	3.7	63.3	59	52.7	100±12	23.0
		CEC:						.265	6.73	10	5.9	57.3	51	44.8	100±12	25.0
		CM								16	7.5	54.3	46	40.7	100±12	25.0
		FT1								31.25	10.6	49.9	39	34.9	100±15	23.6
								Nominal		62.5	15.4	45.4	30	28.8	100±15	21.5
								Core OD:		100	19.8	42.3	25	24.8	100±15	21.0
								.365	9.27	155	25.1	39.5	14	20.9	100±15	21.0
								x	x	200	29.0	37.9	10	18.7	100±15	21.0
								.165	4.19	310	37.1	34.9	—	14.9	100±20	18.0
										350	39.8	34.2	—	13.9	100±22	17.0
										400†	43.0	33.3	—	12.7	100±32	14.0
										500†	49.0	31.8	—	10.8	100±32	14.0

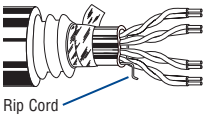


†Value provided for information only. • RJ-45 Compatible • Cable passes -25°C Cold Bend per UL1581
Installation Temperature: -10°C to +75°C • Operating Temperature: -25°C to +75°C**
Jacket sequentially marked at 2 ft. intervals • Verified to TIA/EIA-568-B.2-1, Category 6 • U.S. Patents 5,606,151, 5,734,126 and 5,821,467

Enhanced Cat 6 • 23 AWG Bonded-Pairs Solid BC Conductors • Polyester Wrap • Rip Cord • See Color Code Chart (below)

AL Interlocked Armor • Polyolefin Insulation • PVC Inner Jacket • .055″ Industrial Grade PVC Outer Jacket (Black or Gray)

Interlocked AL Armor	**121872A**	NEC:	4	1000	304.8	222.0	100.6	.684	17.37	1	1.9	72.3	70	64.8	100±12	20.0
		CM								4	3.7	63.3	59	52.7	100±12	23.0
		CEC:								10	5.9	57.3	51	44.8	100±12	25.0
		HL								16	7.5	54.3	46	40.7	100±12	25.0
		CMG FT4						Nominal		31.25	10.6	49.9	39	34.9	100±15	23.6
								Core OD:		62.5	15.4	45.4	30	28.8	100±15	21.5
								.365	9.27	100	19.8	42.3	25	24.8	100±15	21.0
								x	x	155	25.1	39.5	14	20.9	100±15	21.0
								.165	4.19	200	29.0	37.9	10	18.7	100±15	21.0
										310	37.1	34.9	—	14.9	100±20	18.0
										350	39.8	34.2	—	13.9	100±22	17.0
										400†	43.0	33.3	—	12.7	100±32	14.0
										500†	49.0	31.8	—	10.8	100±32	14.0



†Value provided for information only. • RJ-45 Compatible • Jacket sequentially marked at 1 meter intervals
Cable passes -40°C Cold Bend per UL1581 • Installation Temperature: -25°C to +75°C • Operating Temperature: -40°C to +75°C**
Verified to TIA/EIA-568-B.2-1, Category 6 • U.S. Patents 5,606,151, 5,734,126 and 5,821,467

ACR = Attenuation Crosstalk Ratio • AL = Aluminum • BC = Bare Copper • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • TC = Tinned Copper
**Subject to length de-rating.

Color Codes: DataTuff

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

Industrial Data Solutions® — Industrial Ethernet

Coaxial Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

Thinnet 10Base2 Ethernet • 20 AWG Stranded (19x32) .037″ TC Conductor • Duobond® II (100% Coverage) + TC Braid (93% Coverage)

Foam Polyethylene Insulation • Gray PVC Jacket

UL AWM Style 1354 (30V 60°C)	**9907**	NEC:	500	152.4	12.5	5.7	20 AWG (19x32) .037″ TC 8.8Ω/M′ 28.9Ω/km	.102	2.59	Duobond II + 93% TC Braid 5.8Ω/M′ 19.0Ω/km	.185	4.70	50	80%	25.4	83.3	1	.43	1.4
		CL2	U-1000	304.8	25.0	11.4											10	1.30	4.3
		CM	1000	304.8	25.0	11.4											50	2.90	9.5
		CEC:	1640	500.0	41.0	18.6											100	4.20	13.8
		CM	U-2500	U-762.0	60.0	27.3											200	6.10	20.0
			2500	762.0	62.5	28.4											400	8.90	29.2
			3280	1000.0	82.0	37.3											700	12.10	39.7
																	900	13.90	45.6
DEC Part No. 17-01248-00																	1000	14.80	48.6

For Plenum versions of 9907, see 89907 or 82907.

Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket

150°C	**89907**	NEC:	500	152.4	13.0	5.7	20 AWG (19x32) .037″ TC 8.8Ω/M′ 28.9Ω/km	.095	2.41	Duobond II + 93% TC Braid 5.8Ω/M′ 19.0Ω/km	.160	4.06	50	80%	25.4	83.3	1	.43	1.4
		CL2P	1000	304.8	24.0	10.9											10	1.30	4.3
		CMP	2500†	762.0	60.0	27.3											50	2.90	9.5
		CEC:															100	4.18	13.8
		CMP FT6															200	6.10	20.0
																	400	9.20	30.2
RG-58/U Type																	700	12.90	42.3
DEC Part No. 17-01246-00																	900	15.00	49.2
Suitable for Outdoor and Direct Burial applications.																	1000	16.00	52.5

Thicknet 10Base5 Ethernet • 12 AWG Solid .086″ Bare Copper Conductor • Duobond IV* Quad Shield (100% Coverage)

Foam Polyethylene Insulation • Yellow PVC Jacket

UL AWM Style 1478 (30V 60°C)	**9880**	NEC:	500	152.4	66.0	30.0	12 AWG (solid) .086″ BC 1.4Ω/M′ 4.7Ω/km	.243	6.17	Duobond IV (Duobond II + 94% TC Braid + Duofoil® + 90% TC Braid) 1.5Ω/M′ 5.0Ω/km	.405	10.29	50	78%	26.0	85.0	1	.19	.62
		CL2	1000	304.8	131.0	59.5											5	.37	1.21
		CM	1640	500.0	219.0	99.9											10	.52	1.71
		CEC:															50	1.20	3.94
		CM															100	1.70	5.58
																	200	2.55	8.37
																	400	3.90	12.80
																	700	5.50	18.10
DEC Part No. 17-00451-00																	900	6.50	21.30
Ring-band stripes marked every 2.5 meters to aid users in tap placement.																	1000	6.90	22.60

For Plenum version of 9880, see 89880.

Plenum • Foam FEP Insulation • Orange Fluorocopolymer Jacket

150°C	**89880**	NEC:	1000	304.8	134.0	60.9	12 AWG (solid) .086″ BC 1.4Ω/M′ 4.7Ω/km	.245	6.22	Duobond IV (Duobond II + 90% TC Braid + Duofoil + 90% TC Braid) 1.5Ω/M′ 5.0Ω/km	.375	9.53	50	78%	26.0	85.0	1	.18	.59
		CL2P	1640†	500.0	224.7	102.1											5	.37 max.	1.21
		CMP															10	.52 max.	1.71
		CEC:															50	1.15	3.77
		CMP FT6															100	1.65	5.41
																	200	2.45	8.04
																	400	3.80	12.50
																	700	5.60	18.40
DEC Part No. 17-00324-00																	900	6.80	22.30
Ring-band stripes marked every 2.5 meters to aid users in tap placement.																	1000	7.20	23.60
Suitable for Outdoor and Direct Burial applications.																			

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene-propylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

*Duobond IV = Duobond II + 94% tinned copper braid + Duofoil® + 90% tinned copper braid.
(Plenum version is Duobond II + 90% tinned copper braid + Duofoil + 90% tinned copper braid.)

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

Industrial Data Solutions® — Industrial Twinax

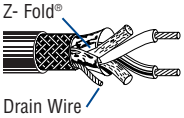
Blue Hose® Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

78 Ohm • 20 AWG Stranded (7x28) .038″ TC Conductors • Beldfoil® (100% Coverage) + TC Braid Shield (55% Coverage) • TC Drain Wire

Polyethylene Insulation • Blue Sunlight-resistant PVC Jacket (Color Code: Clear, Blue)

Blue Hose	**9463**	NEC:	100	30.5	4.2	1.9	20 AWG	.154	3.91	Beldfoil	.238	6.05	78	66%	19.7	64.6	1	.6	2.0
UL AWM		CM CL2					(7x28)			+55%							10	2.1	6.9
Style 2464		CEC:	500	152.4	18.5	8.4	.038″			TC Braid							50	5.0	16.4
(300V 80°C)		CM	U-1000	U-304.8	37.0	16.8	Tinned			4.1Ω/M′							100	7.5	24.6
			1000▲	304.8	37.0	16.8	Copper			13.4Ω/km							200	11.0	36.1
Z- Fold®			6000▲†	1828.8	222.0	100.9	9.5Ω/M′										400	16.0	52.5
			10000◆†	3048.0	370.0	168.0	31.0Ω/km												



Drain Wire

CPE jacket optional.

Allen-Bradley P/N 1770-CD • P-7K-SC-182141-MSHA*

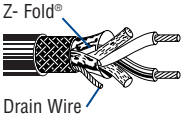
▲1000 ft. and 6000 ft. put-ups also available in Brown, Orange or Purple.

◆10000 ft. put-up available in Brown or Orange only.

†Final put-up length may vary ±10% from length shown.)

Polyethylene Insulation • Blue Sunlight-resistant LDPE Jacket (Color Code: Clear, Blue)

Flooded Direct Burial Blue Hose	**9463DB**	—	1000	304.8	33.0	15.0	20 AWG	.154	3.91	Beldfoil	.240	6.10	78	66%	19.7	64.6	1	.6	2.0
			5000	1524.0	155.0	70.4	(7x28)			+55%							10	2.1	6.9
300V 80°C							.038″			TC Braid							50	5.0	16.4
Z- Fold®							Tinned			4.1Ω/M′							100	7.5	24.6
							Copper			13.4Ω/km							200	11.0	36.1
							9.5Ω/M′										400	16.0	52.5
							31.0Ω/km												



Drain Wire

Allen-Bradley P/N 1770-CD

78 Ohm • 20 AWG Stranded (42x36) .038″ TC Conductors • Overall Beldfoil (100% Coverage) + TC Braid Shield (85% Coverage)

Polyethylene Insulation • Blue Sunlight-resistant PVC Jacket (Color Code: Clear, Blue)

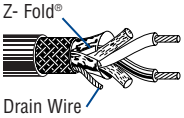
High-Flex Blue Hose	**9463F**	NEC:	1000	304.8	42.0	19.1	20 AWG	.154	3.91	Beldfoil	.243	6.17	78	66%	19.7	64.6	1	.6	2.0
		CM CL2	5000	1524.0	205.0	93.1	(42x36)			+85%							10	2.1	6.9
UL AWM		CEC:					.038″			TC Braid							50	5.0	16.4
Style 2464		CM					Tinned			5.0Ω/M′							100	7.5	24.6
(300V 60°C)							Copper			6.4Ω/km							200	11.0	36.1
							9.5Ω/M′										400	16.0	52.5
							31.0Ω/km												

Allen-Bradley P/N 1770-CD • P-7K-SC-182141-MSHA*

78 Ohm • 20 AWG Stranded (7x28) .038″ TC Conductors • Overall Beldfoil (100% Coverage) + TC Braid Shield (76% Coverage) • Drain Wire

Plenum • FEP Insulation • Blue FEP Jacket (Color Code: Clear, Blue)

High Temperature Blue Hose	**89463**	NEC:	1000	304.8	34.0	15.4	20 AWG	.151	3.83	Beldfoil	.203	5.16	78	69%	19.7	64.6	1	.6	2.0
		CMP CL2P	2500	762.0	90.0	40.9	(7x28)			+76%							10	2.1	6.9
300V 200°C		CEC:					.038″			TC Braid							50	5.0	16.4
Z- Fold®		CMP FT6					Tinned			4.1Ω/M′							100	7.5	24.6
							Copper			13.4Ω/km							200	11.0	36.1
							9.5Ω/M′										400	16.0	52.5
							31.0Ω/km												



Drain Wire

Allen-Bradley P/N 1770-CD

DCR = DC Resistance • FEP = Fluorinated Ethylene-propylene • LDPE = Low-density Polyethylene • TC = Tinned Copper

*Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration Certification.

Industrial Data Solutions® — Industrial Twinax

Twinaxial Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

100 Ohm • 20 AWG Stranded (7x28) .037″ One TC, One BC Conductor • Duofoil® (100% Coverage) + TC Braid Shield (86% Coverage)

Polyethylene Insulation • Polyethylene Inner Jacket • Black PVC Outer Jacket

75°C	**9207**	NEC:	100	30.5	7.1	3.2	20 AWG	.236	5.99	Duofoil	.330	8.38	100	66%	14.5	47.6	1	.3	1.0
		CMG CL2	U-500	U-152.4	34.0	15.5	(7x28)			+ 86%							10	1.2	3.9
		CEC:	500	152.4	34.5	15.7	.037″			TC Braid							50	2.8	9.2
		CMG FT4	1000	304.8	68.0	30.9	1 TC			2.5Ω/M′							100	4.1	13.5
			1640	500.0	111.5	50.7	1 BC			8.2Ω/km							200	6.4	21.0
			2000	609.6	136.0	61.8	9.5Ω/M′										400	10.2	33.5
			3280	1000.0	219.8	99.9	31.0Ω/km												
IBM P/N 7362211			5000	1524.0	350.0	159.1													

For Plenum version of 9207, see 89207.

CPE jacket optional.

124 Ohm • 25 AWG Stranded (7x33) .021″ Tinned Copper Conductors • Beldfoil® (100% Coverage) • Stranded Tinned Copper Drain Wire

Polyethylene Insulation • Blue PVC Jacket (Color Code: Clear, Blue)

UL AWM	**9271**	NEC:	100	30.5	3.2	1.5	25 AWG	.170	4.32	100%	.240	6.10	124	66%	12.2	40.0	1	.6	2.0
Style 2092		CM	500	152.4	14.0	6.4	(7x33)			Beldfoil							10	1.7	5.6
(300V 60°C)		CEC:	U-1000	U-304.8	27.0	12.3	.021″			Shield							50	3.6	11.8
		CM	1000	304.8	28.0	12.7	Tinned			12.0Ω/M′							100	5.0	16.4
							Copper			39.4Ω/km							200	6.9	22.6
							31.8Ω/M′										400	9.6	31.5
Shorting Fold							104.3Ω/km												

CPE jacket optional.

124 Ohm • 16 AWG Solid .051″ Bare Copper Conductors • Duofoil (100% Coverage) + Tinned Copper Braid Shield (90% Coverage)

Foam Polyethylene Insulation • Black PVC Jacket (Color Code: Clear, Blue)

UL AWM	**9860**	NEC:	500	152.4	52.0	23.6	16 AWG	.322	8.18	Duofoil	.440	11.18	124	78%	10.9	35.8	1	.2	.6
Style 2448		CMX	1000	304.8	103.0	46.8	(solid)			+90%							10	.7	2.3
(30V 60°C)		CEC:	2000	609.6	202.0	91.8	.051″			TC Braid							50	1.8	5.9
		CMX					Bare			1.3Ω/M′							100	2.9	9.5
							Copper			4.3Ω/km							200	4.1	13.5
							4.2Ω/M′										400	6.2	20.3
							13.8Ω/km												

CPE jacket optional.

150 Ohm • 22 AWG Stranded (19x34) .031″ Tinned Copper Conductors • Duofoil (100% Coverage) • Stranded Tinned Copper Drain Wire

Datalene® Insulation • Black PVC Jacket (Color Code: Black, Yellow)

UL AWM	**9182**	NEC:	U-500	U-152.4	22.5	10.2	22 AWG	.275	6.98	100%	.345	8.76	150	78%	8.8	28.9	1	.4	1.3
Style 2668		CL2X CMX	500	152.4	23.0	10.4	(19x34)			Duofoil							10	1.2	3.9
(30V 60°C)		CEC:	1000	304.8	44.0	20.0	.031″			Shield							50	2.7	8.9
VW-1		CMX					Tinned			6.3Ω/M′							100	4.3	14.1
							Copper			20.7Ω/km							200	6.2	20.3
							14.0Ω/M′										400	8.8	28.9
							45.9Ω/km												

For Plenum version of 9182, see 89182.

Dual version: YR41609

CPE jacket optional.

Plenum • Foam FEP Teflon® Insulation • Black FEP Teflon Jacket (Color Code: Black, Yellow)

	89182	NEC:	100	30.5	6.4	2.9	22 AWG	.278	7.06	100%	.307	7.80	150	78%	8.8	28.9	1	.4	1.3
		CMP	500†	152.4	28.0	12.7	(19x34)			Duofoil							10	1.2	3.9
		CL2P	1000†	304.8	53.0	24.1	.031″			Shield							50	2.7	8.9
		CEC:					Tinned			6.3Ω/M′							100	4.3	14.1
		CMP FT6					Copper			20.7Ω/km							200	6.2	20.3
							14.0Ω/M′										400	8.8	28.9
							45.9Ω/km												

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene-propylene • TC = Tinned Copper

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

Teflon is a DuPont trademark.

Industrial Data Solutions® — Industrial Coax

ControlNet™ Quad Shielded Coax

RG-6/U Type • 18 AWG Solid Bare Copper-covered Steel Conductor • Duobond® IV* Quad Shield (100% Coverage)

Foam Polyethylene Insulation • PVC Jacket (Black or Intrinsically Safe Blue)

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
	**3092A**	NEC: CL2R CMR CEC: CMG FT4	500 1000 2000 2500	152.4 304.8 609.6 762.2	20.0 39.0 78.0 92.5	9.1 17.7 35.4 42.0	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.8Ω/km	.180	4.57	Duobond IV Quad Shield 3.6Ω/M′ 11.8Ω/km	.298	7.57	75	82%	16.2	53.1	1 2 5 10 20 50 100 200 300 400	.35 .38 .45 .59 .86 1.37 1.97 2.82 3.48 4.04	1.1 1.2 1.5 1.9 2.8 4.5 6.5 9.3 11.4 13.3

Sweep tested 5 MHz to 50 MHz.
CPE jacket optional.

Allen-Bradley P/N 1786

Plenum • Foam FEP Insulation • Fluorocopolymer Jacket (Black or Intrinsically Safe Blue♦)

150°C		**3093A**	NEC: CMP CEC: CMP FT6	1000♦ 2000† 2500†	304.8 609.6 762.0	40.0 80.0 95.0	18.2 36.3 43.1	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.8Ω/km	.170	4.32	Duobond IV Quad Shield 3.6Ω/M′ 11.8Ω/km	.274	6.96	75	82%	16.3	53.5	1 2 5 10 20 50 100 200 300 400	.36 .38 .50 .65 .95 1.50 2.12 2.99 3.66 4.23	1.2 1.2 1.6 2.1 3.1 4.9 7.0 9.8 12.0 13.9

Sweep tested 5 MHz to 50 MHz.

♦Blue available as standard in 1000 ft. only.
Suitable for Outdoor and Direct Burial applications. • Allen-Bradley P/N 1786

RG-6/U Type • 20 AWG Stranded (105x40) Bare Copper Conductor • Duobond IV* Quad Shield (100% Coverage)

Foam Polyethylene Insulation • Black PVC Jacket

High-Flex		**3092F**	NEC: CL2R CMR CEC: CMG FT4	1000 5000	304.8 1524.0	44.0 220.0	20.0 99.8	20 AWG (105x40) .040″ Bare Copper 10.5Ω/M′ 34.4Ω/km	.183	4.65	Duobond IV Quad Shield 3.6Ω/M′ 11.8Ω/km	.303	7.70	75	79%	17.0	55.8	1 2 5 10 20 50 100 200 300 400	.36 .47 .80 1.20 2.00 3.20 4.60 6.50 8.00 9.30	1.2 1.5 2.6 3.9 6.6 10.5 15.1 21.3 26.2 30.5

Sweep tested 5 MHz to 400 MHz.
CPE jacket optional.
123092F — Aluminum Armor
133092F — Steel Armor

IEEE 802.4 MAP/IEEE 802.7 Mini-MAP. • Allen-Bradley P/N 1786
For Rockwell authorized Flexible ControlNet order YR28890 (Tinned Copper Braid version).

RG-6/U Type • 18 AWG Solid Bare Copper-Covered Steel Conductor • Duobond IV* Quad Shield (100% Coverage)

Aluminum Interlocked Armor • Foam Polyethylene Insulation • PVC Inner Jacket • Black PVC Sunlight Resistant Outer Jacket

75°C		**123092A** new	NEC: CM CEC: CMG, FT4, HL	1000††	304.8	180.0	81.7	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond IV Quad Shield 3.6Ω/M′ 11.8Ω/km	Inner Jacket .298 Overall: .620	7.57 15.75	75	82%	16.2	53.2	1 2 5 10 20 50 100 200 300 400	.35 .38 .45 .59 .86 1.37 1.97 2.82 3.48 4.04	1.2 1.3 1.5 1.9 2.8 4.5 6.5 9.3 11.4 13.3

Sweep tested 5 MHz to 50 MHz.
CPE jacket optional.
133092A — Steel Armor

Allen-Bradley P/N 1786
Jacket sequentially marked at 1 meter intervals.

Continuously Corrugated Aluminum Armor • Foam Polyethylene Insulation • PVC Inner Jacket • Black PVC Outer Jacket

75°C		**183092A** new	NEC: CL2, CM	2000▲	609.6	350.0	158.9	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond IV Quad Shield 3.6Ω/M′ 11.8Ω/km	Inner Jacket .298 Overall: .570	7.57 14.48	75	82%	16.2	53.2	1 2 5 10 20 50 100 200 300 400	.35 .38 .45 .59 .86 1.37 1.97 2.82 3.48 4.04	1.2 1.3 1.5 1.9 2.8 4.5 6.5 9.3 11.4 13.3

Sweep tested 5 MHz to 50 MHz.

Allen-Bradley P/N 1786
Jacket sequentially marked at 2 ft. intervals.

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene-propylene

*Duobond IV Quad Shield = Duobond II Foil + 60% aluminum braid + Duofoil + 40% aluminum braid.

†Final put-up length may vary 0 to +10% from length shown.
††Final put-up length may vary ±5% from length shown.
▲Final put-up length may vary ±10% from length shown.

ControlNet is a ControlNet International trademark.

Industrial Data Solutions® — Industrial Coax

ControlBus™ Quad Shielded Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

RG-6/U Type • 20 AWG Stranded (105x40) Bare Copper Conductor • Duobond® IV* Quad Shield (100% Coverage)

Foam Polyethylene Insulation • Black PVC Jacket

High-Flex	3092F	NEC: CL2R CMR CEC: CMG FT4	1000 5000	304.8 1524.0	44.0 225.0	20.0 102.2	20 AWG (105x40) .040″ Bare Copper 10.5Ω/M′ 34.4Ω/km	.183	4.65	Duobond IV Quad Shield 3.6Ω/M′ 11.8Ω/km	.303	7.70	75	79%	17.0	55.8	1 2 5 10 20 50 100 200 300 400	.36 .47 .80 1.20 2.00 3.20 4.60 6.50 8.00 9.30	1.2 1.5 2.6 3.9 6.6 10.5 15.1 21.3 26.2 30.5

Sweep tested 5 MHz to 400 MHz.
CPE jacket optional.

IEEE 802.4 MAP/IEEE 802.7 Mini-MAP.

RG-6/U Type • 18 AWG Solid Bare Copper-covered Steel Conductor • Duobond IV* Quad Shield (100% Coverage)

Gas-Injected Foam Polyethylene Insulation • Gray PVC Jacket

	3131A	NEC: CL2R CMR CEC: CMR FT4	1000 2500	304.8 762.0	41.0 100.0	18.6 45.4	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.8Ω/km	.180	4.57	Duobond IV Quad Shield 3.6Ω/M′ 11.8Ω/km	.300	7.62	75	82%	16.2	53.1	1 2 5 10 20 50 100 200 300 400	.35 .38 .45 .59 .86 1.37 1.97 2.82 3.48 4.04	1.1 1.2 1.5 1.9 2.8 4.5 6.5 9.3 11.4 13.3

Sweep tested 5 MHz to 400 MHz.
CPE jacket optional.

IEEE 802.4 MAP/IEEE 802.7 Mini-MAP.
Tap marks every 2.6 meters to aid users in installation.

Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket

150°C	3132A	NEC: CMP CEC: CMP FT6	1000	304.8	36.0	16.3	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.8Ω/km	.170	4.32	Duobond IV Quad Shield 3.6Ω/M′ 11.8Ω/km	.274	6.96	75	82%	16.3	53.5	1 2 5 10 20 50 100 200 300 400	.36 .38 .50 .65 .95 1.50 2.12 2.99 3.66 4.23	1.2 1.2 1.6 2.1 3.1 4.9 7.0 9.8 12.0 13.9

Sweep tested 5 MHz to 400 MHz.

IEEE 802.4 MAP/IEEE 802.7 Mini-MAP.
Tap marks every 2.6 meters to aid users in installation.
Suitable for Outdoor and Direct Burial applications.

RG-11/U Type • 14 AWG Solid Bare Copper-covered Steel Conductor • Duobond IV* Quad Shield (100% Coverage)

Gas-Injected Foam Polyethylene Insulation • Gray PVC Jacket

	3094A	NEC: CL2R CMR CEC: CMG FT4	500 1000 2000	152.4 304.8 609.6	35.5 62.0 140.0	16.1 28.1 63.6	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.280	7.11	Duobond IV Quad Shield 1.5Ω/M′ 4.9Ω/km	.407	10.34	75	82%	16.2	53.1	1 2 5 10 20 50 100 200 300 400	.16 .18 .26 .38 .55 .83 1.17 1.60 1.99 2.30	.5 .6 .9 1.2 1.8 2.7 3.8 5.3 6.5 7.5

Sweep tested 5 MHz to 400 MHz.
CPE jacket optional.

IEEE 802.4 MAP
Tap marks every 2.6 meters to aid users in installation.

Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket

150°C	3095A	NEC: CMP CEC: CMP FT6	1000	304.8	76.0	34.5	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.280	7.11	Duobond IV Quad Shield 3.9Ω/M′ 12.8Ω/km	.387	9.83	75	82%	16.5	54.1	1 2 5 10 20 50 100 200 300 400	.17 .22 .28 .40 .60 1.20 1.70 2.50 3.04 3.50	.6 .7 .9 1.3 2.0 3.9 5.6 8.2 10.0 11.5

Sweep tested 5 MHz to 400 MHz.

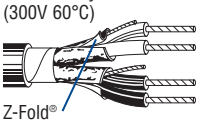
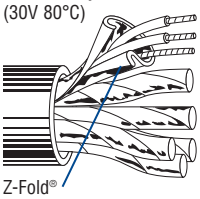
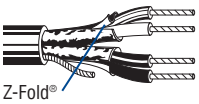
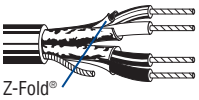
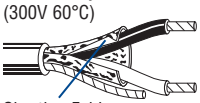
IEEE 802.4 MAP
Tap marks every 2.6 meters to aid users in installation.
Suitable for Outdoor and Direct Burial applications.

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene-propylene

*Duobond IV Quad Shield = Duobond II Foil + 60% aluminum braid + Duofoil® + 40% aluminum braid.

Industrial Data Solutions® — Interconnect Cable

Shielded Twisted Pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Individually Beldfoil® Shielded (100% Coverage) • 24 AWG Stranded TC Drain Wire																		
Datalene® Insulation • Chrome PVC Jacket																		
UL AWM Style 2493 (300V 60°C)	**9729**	NEC: CM CEC: CM	2	Red&Black, White&Black	100 500 1000 10000	30.5 152.4 304.8 3048.0	4.3 20.5 39.0 390.0	2.0 9.3 17.7 177.1	24.0Ω/M′ 78.7Ω/km	15.0Ω/M′ 49.3Ω/km	.266	6.76	100	76%	12.5	41.0	23.2	76.1
 Z-Fold®																		
24 AWG stranded (7x32) tinned copper drain wire.													For Plenum version of 9729, see 89729 or 82729.					
22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Individually Beldfoil Shielded (100% Coverage) • 22 AWG Stranded TC Drain Wire																		
Polypropylene Insulation • Chrome PVC Jacket																		
UL AWM Style 2919 (30V 80°C)	**8777**	NEC: CM CEC: CM	3	Red&Black, White&Black, Green&Black	100 250 U-500 500 U-1000 1000 1640 3280 5000 10000	30.5 76.2 U-152.4 152.4 U-304.8 304.8 499.9 999.7 1524.0 3048.0	4.6 11.0 21.0 21.0 41.0 42.0 67.2 137.8 210.0 450.0	2.1 5.0 9.5 9.5 18.6 19.1 30.5 62.5 95.3 204.3	15.0Ω/M′ 49.2Ω/km	10.6Ω/M′ 34.8Ω/km	.273	6.93	50	66%	30	98	55	180
 Z-Fold®													For Plenum versions of 8777, see 88777, 87777 or 82777.					
22 AWG stranded (19x34) tinned copper drain wire.																		
22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Individually Beldfoil Shielded (100% Coverage) • 24 AWG Stranded TC Drain Wire																		
Polypropylene Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																		
300V RMS 60°C	**8723**	NEC: CM CEC: CM	2	Red&Black, Green&White	100 U-500 500 U-1000 1000 1640 U-2000 2000 3280 5000 10000	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	2.3 10.5 10.0 20.0 20.0 32.8 40.0 40.0 65.6 95.0 200.0	1.0 4.8 4.5 9.1 9.1 14.9 18.2 18.2 29.8 43.1 90.8	16.0Ω/M′ 52.5Ω/km	14.7Ω/M′ 48.3Ω/km	.168	4.27	45	66%	35	115	62	203
 Z-Fold®													For Plenum versions of 8723, see 88723, 87723 or 82723.					
24 AWG stranded (7x32) tinned copper drain wire.																		
Plenum • FEP Insulation • Red FEP Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																		
300V RMS, Non-conduit	**88723**	NEC: CMP CEC: CMP FT6	2	Red&Black, Green&White	100 500 1000	30.5 152.4 304.8	3.4 11.0 21.0	1.5 5.0 9.5	16.0Ω/M′ 52.5Ω/km	14.7Ω/M′ 48.3Ω/km	.148	3.76	40	69%	35	115	67	220
 Z-Fold®																		
24 AWG stranded (7x32) tinned copper drain wire.																		
18 AWG Stranded (16x30) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 20 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
UL AWM Style 2092 (300V 60°C)	**8760**	NEC: CM CEC: CM	1	Black &Clear	250 U-500 500 U-1000 1000 2000 5000 10000	76.2 U-152.4 152.4 U-304.8 304.8 609.6 1524.0 3048.0	6.8 13.0 13.0 26.0 26.0 50.0 135.0 260.0	3.1 5.9 5.9 11.8 11.8 22.7 61.3 118.0	—	—	.222	5.64	—	—	24	79	44	144
 Shorting Fold													For Plenum versions of 8760, see 88760, 87760 or 82760.					
20 AWG stranded (7x28) tinned copper drain wire.																		

DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • PVC = Polyvinyl Chloride • TC = Tinned Copper

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