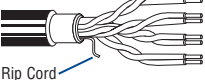


Industrial Data Solutions® — Industrial Ethernet

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		Standard Unit Wt.		Nominal OD		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								
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 <i>new</i>	NEC:	2	1000	304.8	19.0	8.61	.207	5.26	1	2.0	65.3	63.3	60.8	100±12	20.0	
		CMR		2000 ▲	609.6	38.0	17.24			4	4.0	56.3	52.3	48.7	100±12	23.6	
		CEC:								8	5.7	51.8	46.1	42.7	100±12	25.4	
		CMR FT4								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	
*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																	
										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	
Polyolefin Insulation • Waterblocked Sunlight- and Oil-resistant Black Polyethylene Jacket																	
EtherNet/IP Compliant Halogen-Free Burial 	7934A <i>new</i>	—	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
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																	
										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	
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:	4	1000	304.8	24.0	10.9	.187	4.75	1	2.0	65.3	63.3	60.8	100±12	20.0	
		Limited									4	4.0	56.3	52.3	48.7	100±12	23.6
		Combustible									8	5.7	51.8	46.1	42.7	100±12	25.4
		FHC 25/50									10	6.4	50.3	43.9	40.8	100±12	26.0
		CMP									16	8.1	47.3	39.1	36.7	100±12	26.0
		CEC:									25	10.3	44.3	34.1	32.8	100±15	25.5
		CMP FT6									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
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																	
										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	
Polyolefin Insulation • PVC Inner Jacket • .035" Industrial Grade PVC Outer Jacket (Black, Gray, Red, Teal or Blue)																	
EtherNet/IP Compliant Upjacketed 	11700A	NEC:	4	1000	304.8	39.0	17.7	.285	7.24	1	2.0	65.3	63.3	60.8	100±12	20.0	
		CMR,		3000 †	914.4	117.0	53.2				4	4.0	56.3	52.3	48.7	100±12	23.6
		CMX-									8	5.7	51.8	46.1	42.7	100±12	25.4
		Outdoor									10	6.4	50.3	43.9	40.8	100±12	26.0
		CEC:									16	8.1	47.3	39.1	36.7	100±12	26.0
		CMR FT4									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
†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*																	
										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	
Oil Res I & II Upjacketed 	11700A2 <i>new</i>	NEC:	4	1000 ††	304.8	42.0	19.1	.285	7.24	1	2.0	65.3	63.3	60.8	100±12	20.0	
		CMR		2000 ††	609.6	86.0	39.1				4	4.0	56.3	52.3	48.7	100±12	23.0
		CEC:									8	5.7	51.8	46.1	42.7	100±12	24.5
		CMR FT4									10	6.4	50.3	43.9	40.8	100±12	25.0
											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
††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																	
										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	

†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*

††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

**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

BELDEN

For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**

Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

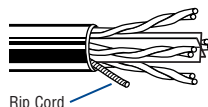
Industrial Data Solutions® — Industrial Ethernet

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		Standard Unit Wt.		Nominal OD		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							

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**

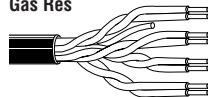
	7927A	NEC: CMR CEC: CMR FT4	4	1000	304.8	44.0	20.0	.251	6.38	1	1.9	80.3	78.5	70.8	100±12	20.0
				2000	609.6	88.0	39.9	x	x	10	5.7	65.3	59.6	50.8	100±12	25.0
								.339	8.61	31.25	10.2	57.9	47.7	40.9	100±15	25.0
										62.5	14.7	53.4	38.7	34.9	100±15	25.0
										100	18.9	50.3	31.4	30.8	100±15	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**

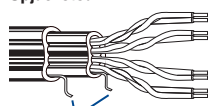
	7931A	NEC: Limited Combustible FHC 25/50 CMP CEC: CMP FT6	4	1000	304.8	35.0	15.9	.214	5.44	1	2.0	72.3	70.3	64.8	100±15	20.0
										10	6.0	57.3	51.3	44.8	100±15	25.0
										20	8.5	52.8	44.3	38.7	100±15	25.0
										31.25	10.7	49.9	39.2	34.9	100±15	23.6
										62.5	15.4	45.4	30.0	28.8	100±15	21.5
										100	19.8	42.3	22.5	24.8	100±15	20.1
										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)**

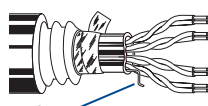
	11872A	NEC: CM CEC: CM FT1	4	1000	304.8	66.0	30.0	.475	12.07	1	1.9	72.3	70	64.8	100±12	20.0
								x	x	4	3.7	63.3	59	52.7	100±12	23.0
								.265	6.73	10	5.9	57.3	51	44.8	100±12	25.0
										16	7.5	54.3	46	40.7	100±12	25.0
										31.25	10.6	49.9	39	34.9	100±15	23.6
										62.5	15.4	45.4	30	28.8	100±15	21.5
										100	19.8	42.3	25	24.8	100±15	21.0
										155	25.1	39.5	14	20.9	100±15	21.0
										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 • 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)**

	121872A	NEC: CM CEC: HL CMG FT4	4	1000	304.8	222.0	100.6	.684	17.37	1	1.9	72.3	70	64.8	100±12	20.0
										4	3.7	63.3	59	52.7	100±12	23.0
										10	5.9	57.3	51	44.8	100±12	25.0
										16	7.5	54.3	46	40.7	100±12	25.0
										31.25	10.6	49.9	39	34.9	100±15	23.6
										62.5	15.4	45.4	30	28.8	100±15	21.5
										100	19.8	42.3	25	24.8	100±15	21.0
										155	25.1	39.5	14	20.9	100±15	21.0
										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

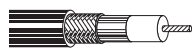
Industrial Data Solutions® — Industrial Ethernet

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

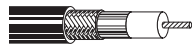
Thinnet 10Base2 Ethernet • 20 AWG Stranded (19x32) .037" TC Conductor • Duobond® II (100% Coverage) + TC Braid (93% Coverage)

Foam Polyethylene Insulation • Gray PVC Jacket

	9907	NEC:	500	152.4	12.5	5.7	20 AWG	.102	2.59	Duobond II	.185	4.70	50	80%	25.4	83.3	1	.43	1.4
		CL2	U-1000	U-304.8	25.0	11.4	(19x32)			+ 93%							10	1.30	4.3
		CM	1000	304.8	25.0	11.4	.037"			TC Braid							50	2.90	9.5
		CEC:	1640	500.0	41.0	18.6	TC			5.8Ω/M'							100	4.20	13.8
		CM	U-2500	U-762.0	60.0	27.3	8.8Ω/M'			19.0Ω/km							200	6.10	20.0
			2500	762.0	62.5	28.4	28.9Ω/km										400	8.90	29.2
			3280	1000.0	82.0	37.3											700	12.10	39.7
																	900	13.90	45.6
																	1000	14.80	48.6

DEC Part No. 17-01248-00

Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket

	89907	NEC:	500	152.4	13.0	5.7	20 AWG	.095	2.41	Duobond II	.160	4.06	50	80%	25.4	83.3	1	.43	1.4
		CL2P	1000	304.8	24.0	10.9	(19x32)			+ 93%							10	1.30	4.3
		CMP	2500†	762.0	60.0	27.3	.037"			TC Braid							50	2.90	9.5
		CEC:					TC			5.8Ω/M'							100	4.18	13.8
		CMP FT6					8.8Ω/M'			19.0Ω/km							200	6.10	20.0
							28.9Ω/km										400	9.20	30.2
																	700	12.90	42.3
																	900	15.00	49.2
																	1000	16.00	52.5

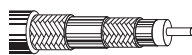
RG-58/U Type

DEC Part No. 17-01246-00

Suitable for Outdoor and Direct Burial applications.

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

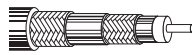
Foam Polyethylene Insulation • Yellow PVC Jacket

	9880	NEC:	500	152.4	66.0	30.0	12 AWG	.243	6.17	Duobond IV	.405	10.29	50	78%	26.0	85.0	1	.19	.62
		CL2	1000	304.8	131.0	59.5	(solid)			(Duobond II							5	.37	1.21
		CM	1640	500.0	219.0	99.9	.086"			+ 94% TC Braid							10	.52	1.71
		CEC:					BC			+ Duofoil®							50	1.20	3.94
		CM					1.4Ω/M'			+ 90% TC							100	1.70	5.58
							4.7Ω/km			Braid)							200	2.55	8.37
										1.5Ω/M'							400	3.90	12.80
										5.0Ω/km							700	5.50	18.10
																	900	6.50	21.30
																	1000	6.90	22.60

DEC Part No. 17-00451-00

Ring-band stripes marked every 2.5 meters to aid users in tap placement.

Plenum • Foam FEP Insulation • Orange Fluorocopolymer Jacket

	89880	NEC:	1000	304.8	134.0	60.9	12 AWG	.245	6.22	Duobond IV	.375	9.53	50	78%	26.0	85.0	1	.18	.59
		CL2P	1640†	500.0	224.7	102.1	(solid)			(Duobond II							5	.37 max.	1.21
		CMP					.086"			+ 90% TC Braid							10	.52 max.	1.71
		CEC:					BC			+ Duofoil							50	1.15	3.77
		CMP FT6					1.4Ω/M'			+ 90% TC							100	1.65	5.41
							4.7Ω/km			Braid)							200	2.45	8.04
										1.5Ω/M'							400	3.80	12.50
										5.0Ω/km							700	5.60	18.40
																	900	6.80	22.30
																	1000	7.20	23.60

DEC Part No. 17-00324-00

Ring-band stripes marked every 2.5 meters to aid users in tap placement.

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.

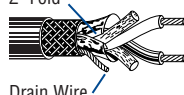
Industrial Data Solutions® — Industrial Twinax

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 UL AWM Style 2464 (300V 80°C) Z- Fold® 	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
	CM CL2	U-500	U-152.4	18.5	8.4	(7x28)			+55%								10	2.1	6.9
	CEC:	500	152.4	18.5	8.4	.038"			TC Braid								50	5.0	16.4
	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
		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													

CPE jacket optional.

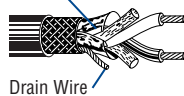
Allen-Bradley P/N 1770-CD • P-7K-SC-182141-MSHA*

*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 300V 80°C Z- Fold® 	—	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
						.038"			TC Braid								50	5.0	16.4
						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													

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 UL AWM Style 2464 (300V 60°C) Z- Fold® 	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
	CEC:					.038"			TC Braid								50	5.0	16.4
	CM					Tinned			5.0Ω/M'								100	7.5	24.6
						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 300V 200°C Z- Fold® 	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
	CEC:					.038"			TC Braid								50	5.0	16.4
	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													

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												
			5000	1524.0	350.0	159.1													

IBM P/N 7362211



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
							104.3Ω/km												

Shorting Fold



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												



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

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

Foam Polyethylene Insulation • PVC Jacket (Black or Intrinsically Safe Blue)																			
	3092A	NEC:	500	152.4	20.0	9.1	18 AWG	.180	4.57	Duobond IV	.298	7.57	75	82%	16.2	53.1	1	.35	1.1
		CL2R CMR	1000	304.8	39.0	17.7	(solid)			Quad							2	.38	1.2
		CEC:	2000	609.6	78.0	35.4	.040"			Shield							5	.45	1.5
		CMG FT4	2500	762.2	92.5	42.0	BCCS			3.6Ω/M'							10	.59	1.9
							28.0Ω/M'			11.8Ω/km							20	.86	2.8
							91.8Ω/km										50	1.37	4.5

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*)																			
	3093A	NEC:	1000*	304.8	40.0	18.2	18 AWG	.170	4.32	Duobond IV	.274	6.96	75	82%	16.3	53.5	1	.36	1.2
		CMP	2000†	609.6	80.0	36.3	(solid)			Quad							2	.38	1.2
		CEC:	2500†	762.0	95.0	43.1	.040"			Shield							5	.50	1.6
		CMP FT6					BCCS			3.6Ω/M'							10	.65	2.1
							28.0Ω/M'			11.8Ω/km							20	.95	3.1
							91.8Ω/km										50	1.50	4.9

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																			
	3092F	NEC:	1000	304.8	44.0	20.0	20 AWG	.183	4.65	Duobond IV	.303	7.70	75	79%	17.0	55.8	1	.36	1.2
		CL2R CMR	5000	1524.0	220.0	99.8	(105x40)			Quad							2	.47	1.5
		CEC:					.040"			Shield							5	.80	2.6
		CMG FT4					Bare			3.6Ω/M'							10	1.20	3.9
							Copper			11.8Ω/km							20	2.00	6.6
							10.5Ω/M'										50	3.20	10.5

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 7.57 Overall: .620 15.75	75	82%	16.2	53.2	1 2 5 10 20 50	.35 .38 .45 .59 .86 1.37	1.2 1.3 1.5 1.9 2.8 4.5
											Sweep tested 5 MHz to 50 MHz.							
											CPE jacket optional.							
											123092A — Steel Armor							
											400 4.04 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 7.57 Overall: .570 14.48	75	82%	16.2	53.2	1	.35	1.2
																2	.38	1.3
																5	.45	1.5
																10	.59	1.9
																20	.86	2.8
																50	1.37	4.5
																100	1.97	6.5
Sweep tested 5 MHz to 50 MHz.																200	2.82	9.3
																300	3.48	11.4
																400	4.04	13.3
																Allen-Bradley P/N 1786 Jacket sequentially marked at 2 ft. intervals.		

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

IEEE 802.4 MAP/IEEE 802.7 Mini-MAP.

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:	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	1.1
		CL2R CMR	2500	762.0	100.0	45.4	(solid)			Quad							2	.38	1.2
		CEC:					.040"			Shield							5	.45	1.5
		CMR FT4					BCCS			3.6Ω/M'							10	.59	1.9
							28.0Ω/M'			11.8Ω/km							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

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:	1000	304.8	36.0	16.3	18 AWG	.170	4.32	Duobond IV	.274	6.96	75	82%	16.3	53.5	1	.36	1.2
		CMP					(solid)			Quad							2	.38	1.2
		CEC:					.040"			Shield							5	.50	1.6
		CMP FT6					BCCS			3.6Ω/M'							10	.65	2.1
							28.0Ω/M'			11.8Ω/km							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

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

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

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

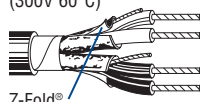
Shielded Twisted Pair Cables

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
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Z-Fold®

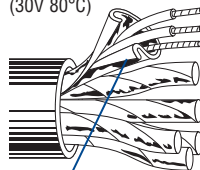
24 AWG stranded (7x32) tinned copper drain wire.

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
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Z-Fold®

22 AWG stranded (19x34) tinned copper drain wire.

For Plenum versions of 8777,
see 88777, 87777 or 82777.

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 4.5 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
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Z-Fold®

24 AWG stranded (7x32) tinned copper drain wire.

For Plenum versions of 8723,
see 88723, 87723 or 82723.

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
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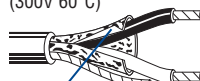
Z-Fold®

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
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Shorting Fold

20 AWG stranded (7x28) tinned copper drain wire.

For Plenum versions of 8760,
see 88760, 87760 or 82760.

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.

UL Instrumentation Cable

High-Temperature Thermocouple Extension Cables and Thermocouple Wire
Industrial Grade Sunlight- and Oil-Resistant Jackets

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

High-Temp Extension Cable • 20 AWG Solid Conductors • (See chart on page 18.53 for conductor specifications by ANSI Type)

Plenum • Unshielded • FEP Insulation • FEP Jacket

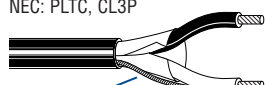
300V 200°C NEC: PLTC, CL3P	83932	KX	2/c	Yellow, Red	Yellow	500 †	152.4	6.5	3.0	.010	.25	.076	1.93
						1000 †	304.8	12.0	5.4			x .128	x 3.25
	83934	TX	2/c	Blue, Red	Blue	1000 †	304.8	13.0	6.0	.010	.25	.076	1.93
												x .128	x 3.25

High-Temp Extension Cable • 20 AWG Stranded (7x28) Conductors • (See chart on page 18.53 for conductor specifications by ANSI Type)

Plenum • Unshielded • FEP Insulation • FEP Jacket

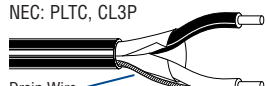
300V 200°C NEC: PLTC, CL3P	83930	JX	2/c	White, Red	Black	500 †	152.4	7.5	3.4	.010	.25	.082	2.08
1000 †						304.8	13.0	6.0			x	x	
											.140	3.56	

Plenum • Overall Beldfoil® Shield (100% Coverage) • FEP Insulation • FEP Jacket

300V 200°C NEC: PLTC, CL3P	83955	EX	1 pr.	Purple, Red	Purple	500 †	152.4	9.0	4.1	.010	.25	.145	3.68
						1000 †	304.8	16.0	7.3				
	83950	JX	1 pr.	White, Red	Black	500 †	152.4	9.5	4.3	.010	.25	.145	3.68
						1000 †	304.8	16.0	7.3				
	83952	KX	1 pr.	Yellow, Red	Yellow	500 †	152.4	9.5	4.3	.010	.25	.145	3.68
						1000 †	304.8	16.0	7.3				
	83954	TX	1 pr.	Blue, Red	Blue	500 †	152.4	9.0	4.1	.010	.25	.145	3.68
						1000 †	304.8	17.0	7.7				

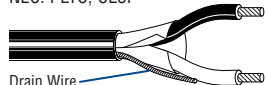
High-Temp Extension Cable • 16 AWG Pairs Solid Conductors • (See chart on page 18.53 for conductor specifications by ANSI Type)

Plenum • Overall Beldfoil Shield (100% Coverage) • FEP Insulation • FEP Jacket

300V 200°C NEC: PLTC, CL3P	1114A	EX	1	Purple, Red	Purple	5000 †	1524.0	160.0	72.6	.010	.25	.172	4.37
	1115A	JX	1	White, Red	Black	5000 †	1524.0	155.0	70.4	.010	.25	.172	4.37
	1116A	KX	1	Yellow, Red	Yellow	5000 †	1524.0	160.0	72.6	.010	.25	.171	4.34
	1117A	TX	1	Blue, Red	Blue	5000 †	1524.0	160.0	72.6	.010	.25	.172	4.37

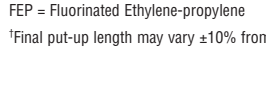
High-Temp Extension Cable • 16 AWG Pairs Stranded (7x24) Conductors • (See chart on page 18.53 for conductor specifications by ANSI Type)

Plenum • Overall Beldfoil Shield (100% Coverage) • FEP Insulation • FEP Jacket

300V 200°C NEC: PLTC, CL3P	83951	JX	1	White, Red	Black	500 †	152.4	16.0	7.3	.010	.25	.189	4.80
						1000 †	304.8	35.0	15.9				
	83953	KX	1	Yellow, Red	Yellow	500 †	152.4	16.0	7.3	.010	.25	.187	4.75
						1000 †	304.8	32.0	14.5				

High-Temp Thermocouple Wire • 20 AWG Solid Conductors • (See chart on page 18.53 for conductor specifications by ANSI Type)

Plenum • Unshielded • FEP Insulation • FEP Jacket

300V 200°C NEC: PLTC, CL3P	83915	E	2/c	Purple, Red	Brown	500 †	152.4	7.0	3.2	.010	.25	.076	1.93
						1000 †	304.8	13.0	6.0			x .128	x 3.25
	83900	J	2/c	White, Red	Brown	100	30.5	2.1	1.0	.010	.25	.076	1.93
						500 †	152.4	7.0	3.2			x .128	x 3.25
	83905	K	2/c	Yellow, Red	Brown	100	30.5	2.1	1.0	.010	.25	.076	1.93
						500 †	152.4	7.0	3.2			x .128	x 3.25
	83910	T	2/c	Blue, Red	Brown	100	30.5	2.1	1.0	.010	.25	.076	1.93
						500 †	152.4	7.0	3.2			x .128	x 3.25
	83910	T	2/c	Blue, Red	Brown	1000 †	304.8	12.0	5.4				

FEP = Fluorinated Ethylene-propylene

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

Multiple pair cables have each pair numbered for ease of identification.