

MIL-C-17G QPL Cable

Twinax

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
Twinax • 24 AWG Stranded (19x36) .024" Silver-coated High-Strength Copper Alloy Conductor • SCHSCA Braid Shield (93% Coverage)																			
TFE Teflon® Insulation • Blue PFA Jacket (Color Code: White, Blue)																			
200°C	81553	—	500†	152.4	9.0	4.1	24 AWG (19x36)	.084	2.13	SCHSCA	.129	3.28	77	70%	24.0	78.7	1	1.2	3.9
																	10	4.0	13.1
																	50	9.2	30.2
																	100	13.0	42.7
																	200	18.4	60.4
																	400	26.1	85.6
																	700	34.6	113.5
																	900	39.3	128.9
																	1000	41.4	135.8

M17/176-00002

M17/176-00002

Twinax • 20 AWG Stranded (7x28) .038" Tinned Copper Conductor • Tinned Copper Braid Shield (85% Coverage)

Polyethylene Insulation • Black Non-contaminating PVC Jacket (One conductor has bare strand for ID)																			
85°C	9859	—	1000	304.8	33.0	15.0	20 AWG (7x28)	.158	4.01	TC Braid	.235	5.97	78	66%	19.7	64.6	1	.7	2.3
																	10	2.3	7.5
																	50	5.2	17.1
																	100	7.5	24.6
																	200	11.0	36.1
																	400	16.0	52.5

M17/45-RG108

DCR = DC Resistance • PFA = Perfluoroalkoxy • SCHSCA = Silver-coated High-strength Copper Alloy • TC = Tinned Copper • TFE = Tetra Fluoroethylene

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

†Spools may contain more than one piece. Minimum length of any one piece is 50 ft. Length may vary ±10% from length shown for spools or reels and ±5% UnReel® cartons.

⚠ 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.

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

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Computer and Instrumentation Cable

78 Ohm, 95 Ohm and 100 Ohm Twinax

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" Tinned Copper Conductors • Tinned Copper Braid Shield (93% Coverage)

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

UL AWM Style 2092 (300V 60°C)	9272	NEC: CM	100	30.5	4.5	2.0	20 AWG (7x28)	.156	3.96	TC Braid 93% Shield	.244	6.20	78	66%	19.7	64.6	1	.6	2.0
		CEC: CM	500	152.4	18.5	8.4	.038"			Coverage							10	2.1	6.9
			1000	304.8	39.0	17.7	TC			3.4Ω/M'							50	5.0	16.4
							9.5Ω/M'			11.2Ω/km							100	7.5	24.6
							31.2Ω/km										200	11.0	36.1
																	400	16.0	52.5



For Plenum version of 9272, see 89272.
CPE jacket optional.

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

200°C	89272	NEC: CMP	500	152.4	17.0	7.7	20 AWG (7x28)	.148	3.76	TC Braid 93% Shield	.198	5.03	78	69.5%	18.4	60.4	1	.6	2.0
		CEC: CMP FT6	1000	304.8	38.0	17.3	.038"			Coverage							10	2.1	6.9
							TC			3.9Ω/M'							50	5.0	16.4
							9.5Ω/M'			12.8Ω/km							100	7.5	24.6
							31.2Ω/km										200	11.0	36.1
																	400	16.0	52.5



Suitable for Aerial applications when supported by a messenger.

78 Ohm • 20 AWG Stranded (7x28) .038" Tinned Copper Conductors • Beldfoil® (100% Coverage) + TC Braid Shield (55% Coverage)

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

UL AWM Style 2464 (300V 80°C)	9463	NEC: CM CL2	100	30.5	4.4	2.0	20 AWG (7x28)	.154	3.91	Beldfoil + 55% TC	.238	6.05	78	66%	19.7	64.6	1	.6	2.0
		CEC: CM	500	152.4	18.0	8.2	.038"			Braid							10	2.1	6.9
			1000	304.8	38.0	17.2	TC			4.1Ω/M'							50	3.6	11.8
			1000*	304.8	39.0	17.7	9.5Ω/M'			13.4Ω/km							100	7.5	24.6
			6000*†	1828.7	234.0	106.1	31.0Ω/km										200	11.0	36.1
			10000*†	3048.0	380.0	172.4											400	16.0	52.5



CPE jacket optional.

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

*1000 ft. and 6000 ft. put-ups also available in Brown, Orange and Purple. 10,000 ft. available in Brown or Orange only.

RG-22B/U • 95 Ohm • 18 AWG Stranded (7x26) .046" Bare Copper Conductors** • Double Tinned Copper Braid Shield (95% Coverage)

Polyethylene Insulation • PE Inner Jacket • Black Non-contaminating PVC Outer Jacket (Color Code: Clear, Clear)

80°C VW-1	9250	—	500	152.4	61.5	27.9	18 AWG (7x26)	.285	7.24	(2) TC Braids 95% Shield	.416	10.67	95	66%	16.0	52.5	1	.3	1.0
			1000	304.8	121.0	54.9	.046"			Coverage							10	.9	3.0
							BC			.9Ω/M'							20	1.3	4.3
							6.6Ω/M'			3.0Ω/km							50	2.1	6.9
							21.5Ω/km										100	3.0	9.8
																	400	6.3	20.7



RG-22B/U Type

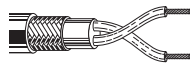
**1 conductor has tinned center strand. Non-contaminating PVC jacket.

CPE jacket optional.

100 Ohm • 20 AWG Stranded (7x28) .037" One Tinned/One Bare Copper Conductors • Duofoil® + Double TC Braid Shield (95% Coverage)

Polyethylene Insulation • Black High-density Polyethylene Jacket

Direct Burial 80°C	9815	—	500	152.4	34.5	15.7	20 AWG (7x28)	.236	5.99	TC Braid 95% Shield	.330	8.38	100	66%	14.5	47.6	1	.4	1.3
			1000	304.8	69.0	31.4	.037"			Coverage							10	1.1	3.6
			2000	609.6	134.0	60.9	(1) TC, (1) BC			2.0Ω/M'							50	2.5	8.2
							9.5Ω/M'			6.6Ω/km							100	4.1	13.5
							31.0Ω/km										200	6.4	21.0
																	400	10.2	33.5



BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • PE = Polyethylene • TC = Tinned Copper

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

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

†Final put-up may vary from length shown. ±10% for spools or reels, ±5% for UnReel® cartons.

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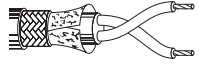
Computer and Instrumentation Cable

100 Ohm, 124 Ohm and 150 Ohm Twinax

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)

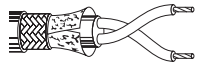
Polyethylene Insulation • Polyethylene Inner Jacket • Black PVC Outer Jacket

	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
		CM CL2	U-500	U-152.4	33.0	15.0	(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,			1.7Ω/M'							100	4.1	13.5
			1640	500.0	111.5	50.7	(1) BC			5.7Ω/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

100 Ohm • 20 AWG Stranded (7x28) .037" One TC/One BC Conductor • Duofoil (100% Coverage) + TC Braid Shield (85% Coverage)

Plenum • FEP Insulation • Black FEP Jacket

	89207	NEC:	100	30.5	6.7	3.0	20 AWG	.201	5.11	Duofoil	.259	6.58	100	69.5%	14.0	46.0	1	.3	1.0
		CMP	500	152.4	26.0	11.8	(7x28)			+85%							10	1.2	3.9
		CEC:	1000	304.8	55.0	25.0	.037"			TC Braid							50	2.8	9.2
		CMP FT6					(1) TC, (1) BC			2.5Ω/M'							100	4.1	13.5
							9.5Ω/M'			8.2Ω/km							200	6.4	21.0

31.2Ω/km

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

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

	9271	NEC:	100	30.5	3.2	1.5	25 AWG	.170	4.32	Beldfoil	.240	6.10	124	66%	12.2	40.0	1	.6	2.0
		CM	500	152.4	12.5	5.7	(7x33)			12.0Ω/M'							10	1.7	5.6
		CEC:	U-1000	U-304.8	27.0	12.3	.021"			39.4Ω/km							50	3.6	11.8
		CM	1000	304.8	28.0	12.7	TC										100	5.0	16.4
							31.8Ω/M'										200	6.9	22.6

Shorting Fold

104.3Ω/km

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)

	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
		CMX	1000	304.8	103.0	46.8	(solid)			+ 90%							10	.7	2.3
		CEC:	2000	609.6	202.0	91.8	.051"			TC Braid							50	1.8	5.9
		CMX					BC			1.3Ω/M'							100	2.9	9.5
							4.2Ω/M'			4.3Ω/km							200	4.1	13.5



13.8Ω/km

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

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

	9182	NEC:	U-500	U-152.4	21.5	9.8	22 AWG	.275	6.98	Duofoil	.345	8.76	150	78%	8.8	28.9	1	.4	1.3
		CMX	500	152.4	23.0	10.4	(19x34)			6.3Ω/M'							10	1.2	3.9
		CL2X	1000	304.8	44.0	20.0	.031"			20.7Ω/km							50	2.7	8.7
		CEC:					TC										100	4.3	14.1
		CMX					14.0Ω/M'										200	6.2	20.3



Shorting Fold

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	Duofoil	.307	7.80	150	78%	8.8	28.9	1	.4	1.3
		CMP	500	152.4	28.0	12.7	(19x34)			6.3Ω/M'							10	1.2	3.9
		CL2P	1000	304.8	53.0	24.1	.031"			20.7Ω/km							50	2.7	8.7
		CEC:					TC										100	4.3	14.1
		CMP FT6					14.0Ω/M'										200	6.2	20.3



45.9Ω/km

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

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