

Industrial Data Solutions® — Industrial Twinax**Blue Hose® and Other 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

78 Ohm • 20 AWG Stranded (7x28) TC Conductors • Overall Beldfoil® (100% Coverage) + TC Braid Shield (55% Coverage) • TC Drain Wire**Aluminum Interlocked Armor • PE Insulation • Blue Sunlight-resistant PVC Outer Jacket*** (Color Code: Clear, Blue)

Aluminum Armored Blue Hose 300V 60°C	129463	NEC:	1000†	304.8	122.0	55.5	20 AWG (7x28)	.154	3.91	Beldfoil +55%	Inner Jacket: .238	78	66%	19.7	64.6	1	.6	2.0
		CM CL2	6000†	1828.8	924.0	420.0				TC Braid	6.05					10	2.1	6.9
		CEC:					.038"			Tinned						50	5.0	16.4
		CM,								Copper		Overall:				100	7.5	24.6
		CMG FT4, HLBCD (Haz Loc)						9.5Ω/M' 31.0Ω/km		13.4Ω/km	.563	14.30				200	11.0	36.1
															400	16.0	52.5	



Drain Wire

*Blue PVC inner jacket.
Allen-Bradley P/N 1770-CD**Steel Interlocked Armor • PE Insulation • Blue Sunlight-resistant PVC Outer Jacket*** (Color Code: Clear, Blue)

Steel Armored Blue Hose 300V 60°C	139463	NEC:	1000†	304.8	220.0	100.0	20 AWG (7x28)	.154	3.91	Beldfoil +55%	Inner Jacket: .238	78	66%	19.7	64.6	1	.6	2.0
		CM CL2	6000†	1828.8	1488.0	676.4				TC Braid	6.05					10	2.1	6.9
		CEC:					.038"			Tinned						50	5.0	16.4
		CM,								Copper		Overall:				100	7.5	24.6
		CMG FT4, HLBCD (haz loc)						9.5Ω/M' 31.0Ω/km		13.4Ω/km	.563	14.30				200	11.0	36.1
															400	16.0	52.5	



Drain Wire

*Blue PVC inner jacket.
Allen-Bradley P/N 1770-CD**Continuously Corrugated AL Armor • PE Insulation • Blue Sunlight-resistant PVC Outer Jacket*** (Color Code: Clear, Blue)

Continuously Armored Blue Hose 300V 60°C	189463	NEC:	2000†	609.6	258.0	117.1	20 AWG (7x28)	.154	3.91	Beldfoil +55%	Inner Jacket: .238	78	66%	19.7	64.6	1	.6	2.0
		PLTC								TC Braid	6.05					10	2.1	6.9
		CEC:					.038"			Tinned						50	5.0	16.4
		CM,								Copper		Overall:				100	7.5	24.6
		CMG FT4, HLBCD (haz loc)						9.5Ω/M' 31.0Ω/km		13.4Ω/km	.500	12.70				200	11.0	36.1
															400	16.0	52.5	



Drain Wire

*Blue PVC inner jacket.
Allen-Bradley P/N 1770-CD**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:	100	30.5	4.5	2.0	20 AWG (7x28)	.156	3.96	93%	.244	6.20	78	66%	19.7	64.6	1	.6	2.0	
		CM	U-500	U-152.4	20.5	9.3				TC Braid								10	2.1	6.9
		CEC:	500	152.4	20.0	9.1	.038"			Shield								50	5.0	16.4
		CM	U-1000	U-304.8	41.0	18.6	Tinned			3.4Ω/M'								100	7.5	24.6
			1000	304.8	40.0	18.2	Copper			11.2Ω/km								200	11.0	36.1
						9.5Ω/M' 31.0Ω/km										400	16.0	52.5		



Drain Wire

For Plenum version of 9272,
see 89272.
CPE jacket optional.**95 Ohm • RG-22B/U Type • 18 AWG** Stranded (7x26) Bare Copper Conductors†† • TC Double Braid Shield (95% Coverage)**Polyethylene Insulation • PE Inner Jacket • Black Non-contaminating PVC Outer Jacket**

80°C VW-1	9250	—	500	152.4	61.5	27.9	18 AWG (7x26)	.285	7.24	2	.416	10.57	95	66%	16.0	52.5	1	.3	1.0		
			1000	304.8	121.0	54.9				TC Braid								10	.9	3.0	
								.046"			95%								20	1.3	4.3
								BC			Shield								50	2.1	6.9
								6.6Ω/M' 21.5Ω/km			.9Ω/M' 3.0Ω/km								100	3.0	9.8
																		400	6.3	20.7	



††One conductor has tinned center strand.

AL = Aluminum • BC = Bare Copper • DCR = DC Resistance • PE = Polyethylene • TC = Tinned Copper


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

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. of Prop. (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 + 86%	.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)			TC Braid							10	1.2	3.9
		CEC:	500	152.4	34.5	15.7	.037"			2.5Ω/M'							50	2.8	9.2
		CMG FT4	1000	304.8	68.0	30.9	1 TC			8.2Ω/km							100	4.1	13.5
			1640	500.0	111.5	50.7	1 BC										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												

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.