

Industrial Data Solutions® – Industrial Twinax

Twinaxial Cables



De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material 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.

22 AWG • Stranded (19x34) 0.8 mm Tinned Copper • Duofoil® • 22 AWG Tinned Copper Drain Wire**Datalene® Insulation • Black PVC Jacket**

30V 60°C	9182	NEC:	U-500	U-152	22.5	10.2	0.78 mm	0.137	3.49	Overall	0.345	8.76	150	78%	8.8	28.9	1	0.4	1.3
UL AWM Style 2668		CL2X CMX	500	152	22.9	10.4	22 AWG			Duofoil®							10	1.2	3.9
		CEC:	1000	305	44.1	20.0	(19x34) TC			+ Drain Wire							50	2.7	8.9
		CMX								(22 AWG TC)							100	4.3	14.1
																	200	6.2	20.3
																	400	8.8	28.9



VW-1

Color Code: Black, Yellow

Dual version: YR41609
CPE jacket optional.**Datalene® Insulation • Black FRNC/LSNH Jacket**

300V 80°C	9182NH	IEC 332-1	1000	305	50.3	22.8	0.78 mm	0.136	3.45	Overall	0.346	8.80	150	78%	8.8	28.9	1	0.4	1.3
		BS 7655	1640	500	80.0	36.3	22 AWG			Duofoil®							5	0.9	2.8
			3280	1000	150.1	68.1	(19x34) TC			+ Drain Wire							10	1.2	3.9
										(22 AWG TC)							20	1.7	5.6
																	50	2.7	8.9
																	100	4.3	14.1
																	200	6.2	20.3
																	400	8.8	28.9



Color Code: Black, Yellow

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

	89182	NEC:	100	31	6.4	2.9	0.78 mm	0.139	3.53	Overall	0.307	7.80	150	78%	8.8	28.9	1	0.4	1.3
		CMP	† 500	152	28.0	12.7	22 AWG			Duofoil®							10	1.2	3.9
		CL2P	† 1000	305	53.1	24.1	(19x34) TC			+ Drain Wire							50	2.7	8.9
		CEC:								(22 AWG TC)							100	4.3	14.1
		CMP FT6															200	6.2	20.3
																	400	8.8	28.9



Color Code: Black, Yellow

TC = Tinned Copper • DCR = DC resistance

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

Duofoil® see technical information page 23.13.

Teflon® is a DuPont trademark.

Industrial Data Solutions® - Industrial Data

ASI Bus Flatcable

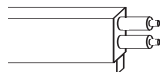


De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation	
			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m	MHz	dB/ 100 ft.

16 AWG • Stranded (84x0.15) 1.5 mm Tinned Copper

PVC Insulation • Yellow TPE-O Jacket

300V 80°C	3999E		328	100	63.9	29.0	1.5 mm 16 AWG (84x0.15) TC	0.096	2.45	Unshielded	0.157	4.00							
											x	x							
											0.394	10.00							



2-Conductor

Color Code: Blue, Brown

Industrial Data Solutions® - Industrial Data

EIA Industrial RS-485 PLTC/CM

De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m	

22 AWG • Stranded (7x30) 0.8 mm Tinned Copper • Twisted Pair • **Beldfoil®** • 90% Tinned Copper Braid • 22 AWG Tinned Copper Drain Wire

Datalene® Insulation • Black UV Resistant Jacket (CPE Jacket Optional)

300V Oil Res II		NEC: CM PLTC CEC: CM FT1					0.76 mm 22 AWG (7x30) TC	0.087	2.21	Overall Beldfoil® + Overall 90% TC Braid + Drain Wire (22 AWG TC)			120	78%			
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3105A	1-Pair DMX512 Type	500 1000 † 5000	152 305 1524	23.0 50.0 255.2	10.4 22.7 115.8						0.284	7.21			CDR/CDR CDR/SCR	20.9 11.0	68.6 36.1	see chart below
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For CPE jacketed version order Part No. YR44345.

3106A	1.5-Pair*	500 1000 † 5000	152 305 1524	27.1 51.1 260.4	12.3 23.2 118.1						0.300	7.62			CDR/CDR CDR/SCR	20.9 11.0	68.6 36.1	White/Orange, Orange/White Blue/White
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For CPE jacketed version order Part No. YR46721.

3107A	2-Pair DMX512 Type	1000 4000 † 5000	305 1,219 1524	69.1 300.2 385.3	31.3 136.2 174.8						0.356	9.04			CDR/CDR CDR/SCR	20.9 11.0	68.6 36.1	see chart below
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For CPE jacketed version order Part No. YR46792.

3108A	3-Pair	1000 2000	305 610	93.0 184.0	42.2 83.5						0.420	10.67			CDR/CDR CDR/SCR	20.9 11.0	68.6 36.1	see chart below
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For CPE jacketed version order Part No. YR45287.

3109A	4-Pair	1000 2000	305 610	107.2 218.2	48.6 99.0						0.420	10.67			CDR/CDR CDR/SCR	20.9 11.0	68.6 36.1	see chart below
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For CPE jacketed version order Part No. YR44768.

TC = Tinned Copper • DCR = DC resistance

† Final put-up length may vary 0% to +10% from length shown. • * All conductors are under the braid shield; one pair is under the Beldfoil shield.

Color Code

Pair No.	Color
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

Industrial Data Solutions® – Interconnect Cables

Shielded Twisted Pair Cables



De-scription	Part No.	UL NEC / C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m	

24 AWG • Stranded (7x32) 0.6 mm Tinned Copper • Twisted Pair • Beldfoil® • 24 AWG Tinned Copper Drain Wire

Datalene® Insulation • Chrome PVC Jacket																		
300V 60°C	9729	NEC:	100	31	4.4	2.0	0.61 mm	0.061	1.55	Individual Beldfoil® + Drain Wire (24 AWG TC)	0.266	6.76	100	76%	CDR/CDR CDR/SCR	12.5 23.2	41.0 76.1	Red, Black White, Black
UL AWM Style 2493		CM	500	152	20.5	9.3	24 AWG											
		CEC:	1000	305	39.0	17.7	(7x32) TC											
		CM	10000	3049	390.4	177.1												



Z-Fold®

2-Pair

Datalene® Insulation • Black FRNC/LSNH Jacket • Color Coded Foils (Red, Green)

300V 80°C	9729NH	IEC	1000	305	44.1	20.0	0.61 mm	0.061	1.55	Individual Beldfoil® + Drain Wire (24 AWG TC)	0.335	8.50	100	76%	CDR/CDR CDR/SCR	12.5 23.2	41.0 76.1	Red, Black White, Black
		332-3C	1640	500	74.5	33.8	24 AWG											
		BS 7655	3280	1000	137.3	62.3	(7x32) TC											



Z-Fold®

2-Pair

Datalene® Insulation • Chrome FRNC/LSNH Inner Jacket • Steel Wire Armor • Black Sunlight-Resistant FRNC/LSNH Jacket • Color Coded Foils (Red, Green)

300V 80°C	9729LS	IEC	1640	500	347.2	157.5	0.61 mm	0.061	1.55	Individual Beldfoil® + Drain Wire (24 AWG TC)	*0.335 **0.512	*8.50 **13.00	100	76%	CDR/CDR CDR/SCR	12.5 23.2	41.0 76.1	Red, Black White, Black
		332-3C	3280	1000	672.4	305.0	24 AWG											
		BS 7655					(7x32) TC											



Z-Fold®

2-Pair

* Under Armor
** Over Armor

22 AWG • Stranded (7x30) 0.8 mm Tinned Copper • Twisted Pair • Beldfoil® • 22 AWG Tinned Copper Drain Wire

Polypropylene Insulation • Chrome PVC Jacket																			
30V 80°C	8777	NEC:	100	31	4.6	2.1	0.76 mm	0.050	1.27	Individual Beldfoil® + Drain Wire (22 AWG TC)	0.273	6.93	50	66%	CDR/CDR CDR/SCR	30.0 55.0	98.0 180.0	Red, Black White, Black Green, Black	
UL AWM Style 2919		CM	250	76	11.0	5.0	22 AWG												
		CEC:	U-500	U-152	20.9	9.5	(7x30) TC												
		CM	500	152	20.9	9.5													
			U-1000	U-305	41.0	18.6													
			1000	305	42.1	19.1													
			1640	500	67.2	30.5													
			3280	1000	137.8	62.5													
			5000	1524	210.1	95.3													
			10000	3049	450.4	204.3													



Z-Fold®

3-Pair

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

Polypropylene Insulation • Chrome FRNC/LSNH Jacket • Color Coded Foils (Red, Green, Blue)

300V 80°C	8777NH	IEC	1000	305	50.7	23.0	0.76 mm	0.050	1.27	Individual Beldfoil® + Drain Wire (22 AWG TC)	0.276	7.00	50	66%	CDR/CDR CDR/SCR	30.0 55.0	98.4 180.4	Red, Black White, Black Green, Black
		332-3C	1640	500	78.5	35.6	22 AWG											
		BS 7655	3280	1000	151.5	68.7	(7x30) TC											



Z-Fold®

3-Pair

TC = Tinned Copper • DCR = DC resistance