



Industrial Data Solutions® - Industrial Data
 Low-Capacitance Computer Cables for EIA RS-485 Applications




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 • Overall Beldfoil® + 90% Tinned Copper Braid • 24 AWG Tinned Copper Drain Wire

Polyethylene Insulation • Chrome PVC Jacket																		
30V 80°C UL AWM Style 2919	NEC: CM CEC: CM						0.61 mm 24 AWG (7x32) TC	0.068	1.73	Overall Beldfoil® + Overall 90% TC Braid + Drain Wire (24 AWG TC)			120	66%	CDR/CDR CDR/SCR	12.8 23.0	42.0 75.5	see chart 5 (Tech Info Section)
																		
DMX 512																		
9841	1-Pair	100	31	4.9	2.2							0.232	5.89					
		500	152	20.1	9.1													
		1000	305	40.1	18.2													
9842	2-Pair	100	31	5.7	2.6							0.340	8.64					
		500	152	29.5	13.4													
		1000	305	57.1	25.9													
9843	3-Pair	100	31	7.1	3.2							0.360	9.14					
		500	152	34.6	15.7													
		1000	305	67.2	30.5													
9844	4-Pair	500	152	43.0	19.5							0.390	9.91					
		1000	305	83.1	37.7													

Polyethylene Insulation • Chrome FRNC/LSNH Jacket																		
80°C	IEC 332-3C BS 7655						0.61 mm 24 AWG (7x32) TC	0.068	1.73	Overall Beldfoil® + Overall 90% TC Braid + Drain Wire (24 AWG TC)			120	66%	CDR/CDR CDR/SCR	12.8 23.0	42.0 75.5	see chart 5 (Tech Info Section)
																		
9841NH	1-Pair	1000	305	38.1	17.3							0.232	5.90					
		1640	500	65.0	29.5													
		3280	1000	124.8	56.6													
9842NH	2-Pair	1000	305	64.4	29.2							0.341	8.65					
		1640	500	102.7	46.6													
		3280	1000	196.4	89.1													
9843NH	3-Pair	1000	305	69.0	31.3							0.358	9.10					

Polyethylene Insulation • Chrome FRNC/LSNH Inner Jacket • Steel Wire Armor • Black Sunlight-Resistant FRNC/LSNH Jacket																		
80°C	IEC 332-3C BS 7655						0.61 mm 24 AWG (7x32) TC	0.068	1.73	Overall Beldfoil® + Overall 90% TC Braid + Drain Wire (24 AWG TC)			120	66%	CDR/CDR CDR/SCR	12.8 23.0	42.0 75.5	see chart 5 (Tech Info Section)
																		
9841LS	1-Pair	1000	305	154.1	69.9							*0.232	*5.90					
		1640	500	276.9	125.6							**0.406	**10.30					
		3280	1000	624.3	283.2													
9842LS	2-Pair	1000	305	195.5	88.7							*0.341	*8.65					
		1640	500	335.1	152.0							**0.516	**13.10					
		3280	1000	648.2	294.0													

TC = Tinned Copper • DCR = DC resistance