

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	100 500 1000	31 152 305	4.9 20.1 40.1	2.2 9.1 18.2					0.232	5.89						
	9842	2-Pair	100 500 1000	31 152 305	5.7 29.5 57.1	2.6 13.4 25.9					0.340	8.64						
	9843	3-Pair	100 500 1000	31 152 305	7.1 34.6 67.2	3.2 15.7 30.5					0.360	9.14						
	9844	4-Pair	500 1000	152 305	43.0 83.1	19.5 37.7					0.390	9.91						
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 1640 3280	305 500 1000	38.1 65.0 124.8	17.3 29.5 56.6					0.232	5.90						
	9842NH	2-Pair	1000 1640 3280	305 500 1000	64.4 102.7 196.4	29.2 46.6 89.1					0.341	8.65						
	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 1640 3280	305 500 1000	154.1 276.9 624.3	69.9 125.6 283.2					*0.232 **0.406	*5.90 **10.30						
	9842LS	2-Pair	1000 1640 3280	305 500 1000	195.5 335.1 648.2	88.7 152.0 294.0					*0.341 **0.516	*8.65 **13.10						
* Under Armor ** Over Armor																		

TC = Tinned Copper • DCR = DC resistance