






Industrial Data Solutions® - Industrial Data

LonWorks 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.	dB/ 100 m	
22 AWG • Solid 0.6 mm Bare Copper • Twisted Pair																				
Foam Polyethylene Insulation • White FRNC/LSNH Jacket																				
80°C	7701NH	IEC 332-3C BS 7655	1000 1640	305 500	10.6 17.6	4.8 8.0	0.64 mm 22 AWG Solid BC	0.046	1.17	Unshielded	0.138	3.50	100	68%	14.0	46.0	1	0.4	1.3	
																	1	0.5	1.5	
																	4	0.9	3.1	
																	10	1.5	4.9	
																	16	1.9	6.3	
																	20	2.1	6.9	
																				
1-Pair																				
Color Code: White/Blue, Blue/White																				
Foam Polyethylene Insulation • White FRNC/LSNH Jacket																				
80°C	7702NH	IEC 332-3C BS 7655	1000	305	19.6	8.9	0.64 mm 22 AWG Solid BC	0.046	1.14	Unshielded	0.205	5.20	100	68%	14.0	46.0	see above			
																				
2-Pair																				
Color Code: White/Blue, Blue/White, Orange/White, White/Orange																				
22 AWG • Solid 0.6 mm Bare Copper • Twisted Pair • Beldfoil® • 24 AWG Tinned Copper Drain Wire																				
Foam Polyethylene Insulation • White FRNC/LSNH Jacket																				
80°C	7703NH	IEC 332-3C BS 7655	1000	305	17.9	8.1	0.64 mm 22 AWG Solid BC	0.061	1.55	Overall Beldfoil® + Drain Wire (24 AWG TC)	0.181	4.60	100	68%	24.4	80.0	1	0.5	1.8	
																	1	0.6	2.0	
																	4	1.1	3.6	
																	10	1.7	5.5	
																	16	2.1	7.0	
																	20	2.4	7.8	
																				
1-Pair																				
Color Code: White/Blue, Blue/White																				
Foam Polyethylene Insulation • White FRNC/LSNH Jacket																				
	7704NH	IEC 332-3C BS 7655	1000 1640 3346	305 500 1020	27.1 44.3 88.6	12.3 20.1 40.2	0.64 mm 22 AWG Solid BC	0.053	1.35	Overall Beldfoil® + Drain Wire (24 AWG TC)	0.256	6.50	100	68%	12.2	40.0	see above			
																				
2-Pair																				
Color Code: White/Blue, Blue/White, Orange/White, White/Orange																				
16 AWG • Stranded (19x29) 1.5 mm Tinned Copper • Twisted Pair																				
PVC Insulation • Chrome PVC Jacket																				
UL AWM Style 2598	8471	NEC: CMG CEC: CMG FT4	U-500 500 U-1000 1000	U-152 152 U-305 305	20.1 20.1 39.0 40.1	9.1 9.1 17.7 18.2	1.47 mm 16 AWG (19x29) TC	0.105	2.67	Unshielded	0.274	6.96								
																				
1-Pair																				
Color Code: Black, White																				

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

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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		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm	

16 AWG • Stranded (19x29) 1.5 mm Tinned Copper • Twisted Pair

Polyethylene Insulation • Chrome FRNC/LSNH Jacket

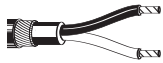
Part 1	8471NH	IEC 60332	1000	305	60.5	27.5	1.47 mm	0.105	2.67	Unshielded	0.280	7.10	Black, White
			1640	500	66.1	30.0	16 AWG						
			3280	1000	132.3	60.0	(19x29) TC						



1-Pair

Polyethylene Insulation • FRNC/LSNH Inner Jacket • Steel Wire Armor • Chrome FRNC/LSNH Outer Jacket

Part 1	8471LS	IEC 60332	1000	305	248.9	112.9	1.47 mm	0.032	0.81	Unshielded	0.413	10.50	Black, White
			1640	500	407.9	185.0	16 AWG						
			3280	1000	815.7	370.0	(19x29) TC						



1-Pair

Tefzel® Insulation • Clear Tefzel® Jacket

300V RMS 80° VW-1	85102		500	152	20.1	9.1	1.47 mm	0.015	0.38	Unshielded	0.211	5.36	Black, White
			1000	305	33.1	15.0	16 AWG (19x29) TC						



1-Pair

16 AWG • Stranded (19x29) 1.5 mm Tinned Copper • Twisted Pair • Beldfoil® • 18 AWG Tinned Copper Drain Wire

Polyethylene Insulation • Chrome PVC Jacket

300V RMS 80° UL AWM Style 20253	8719	NEC: CM CL2 CEC: CM	U-500	U-152	24.5	11.1	1.47 mm	0.032	0.81	Overall Beldfoil® + Drain Wire (18 AWG TC)	0.313	7.95	Black, Clear
			500	152	24.5	11.1	16 AWG						
			U-1000	U-305	47.2	21.4	(19x29) TC						
			1000	305	49.2	22.3							
			2000	610	100.3	45.5							
5000	1524	245.6	111.4										
10000	3049	431.0	195.5										



1-Pair

TC = Tinned Copper • DCR = DC resistance

Tefzel® is a DuPont trademark.