

Industrial Data Solutions® — LonWorks 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

22 AWG Solid Bare Copper • Twisted Pairs**Foam Polyethylene Insulation • White Low Smoke, Zero Halogen Jacket** (Colour Code: White/Blue, Blue/White)

80°C	7701NH	IEC 332-3C BS 7655	1000 1640	305 500	10.6 17.6	4.8 8.0	22 AWG (solid) .025"	.091	2.3	—	.138	3.5	100	68%	14.0	46.0	.772	.4	1.3
							16.8Ω/M'										1	.5	1.5
							55.0Ω/km										4	.9	3.1
																	10	1.5	4.9
																	16	1.9	6.3
																	20	2.1	6.9

**Foam Polyethylene Insulation • White Low Smoke, Zero Halogen Jacket** (Colour Code: White/Blue, Blue/White; Orange/White, White/Orange)

80°C	7702NH	IEC 332-3C BS 7655	1000	305	19.6	8.9	22 AWG (solid) .025"	.158	4.0	—	.205	5.2	100	68%	14.0	46.0	.772	.4	1.3
							16.8Ω/M'										1	.5	1.5
							55.0Ω/km										4	.9	3.1
																	10	1.5	4.9
																	16	1.9	6.3
																	20	2.1	6.9

**22 AWG Solid Bare Copper • Twisted Pairs • Overall 100% Beldfoil® Shield • 24 AWG Stranded Tinned Copper Drain Wire****Foam Polyolefin Insulation • White Low Smoke, Zero Halogen Jacket** (Colour Code: White/Blue, Blue/White)

80°C	7703NH	IEC 332-3C BS 7655	1000	305	17.8	8.1	22 AWG (solid) .025"	.122	3.1	100% Beldfoil	.181	4.6	100	68%	24.4	80.0	.772	.5	1.8
							16.8Ω/M'			10.4Ω/M'							1	.6	2.0
							55.0Ω/km			34.0Ω/km							4	1.1	3.6
																	10	1.7	5.5
																	16	2.1	7.0
																	20	2.4	7.8

**Foam Polyethylene Insulation • White Low Smoke, Zero Halogen Jacket** (Colour Code: White/Blue, Blue/White; Orange/White, White/Orange)

80°C	7704NH	IEC 332-3C BS 7655	1000 1640 3109	305 500 1020	27.1 44.3 88.5	12.3 20.1 40.2	22 AWG (solid) .025"	.209	5.3	100% Beldfoil	.256	6.5	100	68%	12.2	40.0	.772	.5	1.8
							16.8Ω/M'			5.2Ω/M'							1	.6	2.0
							55.0Ω/km			17.0Ω/km							4	1.1	3.6
																	10	1.7	5.5
																	16	2.1	7.0
																	20	2.4	7.8



DCR = DC Resistance