

# 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.

**22 AWG Solid Bare Copper • Twisted Pairs**

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

80°C	<b>7701NH</b>	IEC 332-3C BS 7655	1000	305	10.6	4.8	22 AWG (solid) .025" 16.8Ω/M' 55.0Ω/km	.091	2.3	—	.138	3.5	100	68%	14.0	46.0	.772	.4	1.3
			1640	500	17.6	8.0											1	.5	1.5
																	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	<b>7702NH</b>	IEC 332-3C BS 7655	1000	305	19.6	8.9	22 AWG (solid) .025" 16.8Ω/M' 55.0Ω/km	.158	4.0	—	.205	5.2	100	68%	14.0	46.0	.772	.4	1.3
			1640	500	17.6	8.0											1	.5	1.5
																	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	<b>7703NH</b>	IEC 332-3C BS 7655	1000	305	17.8	8.1	22 AWG (solid) .025" 16.8Ω/M' 55.0Ω/km	.122	3.1	100% Beldfoil 10.4Ω/M' 34.0Ω/km	.181	4.6	100	68%	24.4	80.0	.772	.5	1.8
			1640	500	17.6	8.0											1	.6	2.0
																	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	<b>7704NH</b>	IEC 332-3C BS 7655	1000	305	27.1	12.3	22 AWG (solid) .025" 16.8Ω/M' 55.0Ω/km	.209	5.3	100% Beldfoil 5.2Ω/M' 17.0Ω/km	.256	6.5	100	68%	12.2	40.0	.772	.5	1.8
			1640	500	44.3	20.1											1	.6	2.0
			3109	1020	88.5	40.2											4	1.1	3.6
																	10	1.7	5.5
																	16	2.1	7.0
				20	2.4	7.8													



DCR = DC Resistance