

Special Audio, Communication and Instrumentation Cable

Miniature Instrumentation and Low Triboelectric Noise Coax

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

Miniature • 28 AWG Solid .013" Tinned Copper Conductor • Bare Copper Braid Shield (90% Coverage)

Polypropylene Insulation • Black PVC Jacket

105°C	8700	NEC: CMH CEC: CMH FT1	250	76.2	.8	.3	28 AWG (solid)	.023	.58	BC Braid	.054	1.37	32	66%	55.2	181.1	1	2.5	8.2
VW-1			500	152.4	4.5	2.0	(7x34)	.013"		90% Shield Coverage								10	7.7
			1000	304.8	8.0	3.6	TC			28.7Ω/M'							50	17.2	56.4
							66.9Ω/M'			94.2Ω/km							100	24.5	80.4
							219.5Ω/km										200	34.8	114.2
																	400	50.0	164.4
																	700	66.0	216.5
																	900	75.0	246.1
																	1000	79.0	259.2

Low Noise • RG-174/U Type • 26 AWG Stranded (7x34) .019" Bare Copper-covered Steel Conductor • TC Braid Shield (90% Coverage)

Polyethylene Insulation • Conductive Layer • Black PVC Jacket

60°C	9239	—	100	30.5	1.0	.5	26 AWG (7x34)	.044	1.12	TC Braid	.101	2.57	50	62%	38	125	—	—	—
			500	152.4	4.5	2.0	.019"			90% Shield Coverage									
			1000	304.8	8.0	3.6	BCCS			14.0Ω/M'									
							97.0Ω/M'			45.9Ω/km									
							318.3Ω/km												

5mV peak-to-peak max.
Not recommended for RF use.

Low Noise • RG-59/U Type • 22 AWG Solid .025" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (93% Coverage)

Polyethylene Insulation • Conductive Layer • Black PVC Jacket

75°C	9224	—	U-500	U-152.4	19.5	8.9	22 AWG (solid)	.146	3.71	BC Braid	.242	6.15	75	65%	22	72	—	—	—
VW-1			1000	304.8	39.0	17.7	(7x30)	.025"		93% Shield Coverage									
							BCCS			2.5Ω/M'									
							54.0Ω/M'			8.2Ω/km									
							177.0Ω/km												

5mV peak-to-peak max.
Not recommended for RF use.

Low Noise • RG-58/U Type • 22 AWG Stranded (7x30) .030" TC Conductor • Duobond® II + TC Braid Shield (95% Coverage)

Polyethylene Insulation • Conductive Layer • Black PVC Jacket

80°C	9223	—	100	30.5	3.4	1.5	22 AWG (7x30)	.112	2.85	Duobond II* + 95% TC Braid	.195	4.95	50	56%	37	122	—	—	—
VW-1			500	152.4	12.0	5.4	.030"			100% Shield Coverage									
			1000	304.8	24.0	10.9	TC			4.1Ω/M'									
							10.8Ω/M'			13.5Ω/km									
							35.4Ω/km												

8mV peak-to-peak max.
Not recommended for RF use.

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).