

## 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
<b>Miniature • 28 AWG Solid .013" Tinned Copper Conductor • Bare Copper Braid Shield (90% Coverage)</b>																			
<b>Polypropylene Insulation • Black PVC Jacket</b>																			
105°C VW-1	8700	NEC: CMH CEC: CMH FT1	250	76.2	.8	.3	28 AWG (solid) .013" TC 66.9Ω/M' 219.5Ω/km	.023	.58	BC Braid 90% Shield Coverage 28.7Ω/M' 94.2Ω/km	.054	1.37	32	66%	55.2	181.1	1	2.5	8.2
																	10	7.7	25.3
																	50	17.2	56.4
																	100	24.5	80.4
																	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)

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

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)

<b>Polyethylene Insulation • Conductive Layer • Black PVC Jacket</b>																			
75°C VW-1	9224	—	U-500	U-152.4	19.5	8.9	22 AWG (solid) .025" BCCS 54.0Ω/M' 177.0Ω/km	.146	3.71	BC Braid 93% Shield Coverage 2.5Ω/M' 8.2Ω/km	.242	6.15	75	65%	22	72	—	—	—
			1000	304.8	39.0	17.7													

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)

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

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).