

Broadband Coax**MATV Cables****Series 59**

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

Series 59 • 20 AWG Solid .032" Bare Copper-covered Steel Conductor • Foil + Braid Shield (40% Coverage)

Gas-injected Foam Polyethylene Insulation • Black PVC Jacket

80°C	9275	NEC: CATV CM	U-500	U-152.4	12.0	5.5	20 AWG (solid)	.144	3.66	Duofoil® + 40%	.237	6.02	75	83%	16.2	53.1	See Chart on page 6.92		
		CEC: CM	U-1000 [▲]	U-304.8	23.0	10.4	.032"			Aluminum Braid							Sweep tested 5 MHz to 550 MHz.		
							BCCS 44.5Ω/M'												
							146.0Ω/km												

[▲]U-1000 ft. put-up also available in White.

80°C	9100	NEC: CATV CM	U-500	U-152.4	12.0	5.5	20 AWG (solid)	.144	3.66	Duobond® II* + 40%	.237	6.02	75	83%	16.2	53.1	See Chart on page 6.92		
		CEC: CM	U-1000 [▲]	U-304.8	23.0	10.4	.032"			Aluminum Braid							Sweep tested 5 MHz to 1 GHz.		
							BCCS 44.5Ω/M'												
							146.0Ω/km												

[▲]U-1000 ft. put-up also available in White.

BCCS = Bare Copper-covered Steel • DCR = DC Resistance

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

Standard Analog Video Cable

RG-6/U Type



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

21 AWG Solid .028" Bare Copper-covered Steel Conductor • Double Bare Copper Braid Shields (98% Coverage)

Polyethylene Insulation • Black Polyethylene Jacket

MATV Cable 80°C	8215	—	1000	304.8	74.0	33.6	21 AWG (solid) .028" BCCS 32.0Ω/M' 105.0Ω/km	.185	4.70	(2) BC Braids 98% Shield Coverage 1.1Ω/M' 3.6Ω/km	.332	8.43	75	66%	20.5	67.2	1	.4	1.3
																	10	.8	2.6
																	50	1.9	6.2
																	100	2.7	8.9
																	200	4.1	13.4
																	400	5.9	19.4
																	700	8.1	26.6
																	900	9.4	30.8
																	1000	9.8	32.1



18 AWG Solid .037" Bare Copper Conductor • Double Bare Copper Braid Shields (98% Coverage)

Foam Polyethylene Insulation • Black PVC Jacket

80°C	9290	NEC: CM CEC: CM	1000 2000	304.8 609.6	59.0 118.0	26.8 53.6	18 AWG (solid) .037" BC 7.5Ω/M' 24.6Ω/km	.180	4.57	(2) BC Braids 98% Shield Coverage 2.0Ω/M' 7.5Ω/km	.288	7.32	75	81%	17.3	56.7	1	.2	.7
																	10	.7	2.3
																	50	1.7	5.6
																	100	2.5	8.2
																	200	3.6	11.8
																	400	5.3	17.4
																	700	7.2	23.6
																	900	8.3	27.2
																	1000	8.8	28.9

Suitable for Indoor and Outdoor applications.

18 AWG Solid .040" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (65% Coverage)

Plenum • Foam FEP Insulation • Black FEP Jacket

200°C	89248	NEC: CMP CEC: CMP FT6	500† 1000† 2000†	152.4 304.8 609.6	15.0 33.0 64.0	6.8 15.0 29.0	18 AWG (solid) .040" BC 6.4Ω/M' 21.0Ω/km	.170	4.32	Duofoil + 65% TC Braid 5.1Ω/M' 16.7Ω/km	.222	5.64	75	82%	16.5	50.3	1	.3	1.0
																	10	.66	2.2
																	50	1.5	4.9
																	100	2.1	6.9
																	200	3.1	10.2
																	400	4.5	14.8
																	700	6.0	19.7
																	900	6.9	22.6
																	1000	7.3	23.9

Suitable for Outdoor and Direct Burial applications.

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

75°C	82248	NEC: CMP CEC: CMP FT6	U-1000† 1000†	U-304.8 304.8	29.0 31.0	13.2 14.1	18 AWG (solid) .040" BC 6.4Ω/M' 21.0Ω/km	.170	4.32	Duofoil + 65% TC Braid 5.1Ω/M' 16.7Ω/km	.222	5.64	75	82%	16.5	50.3	1	.3	1.0
																	10	.7	2.3
																	50	1.6	5.2
																	100	2.2	7.2
																	200	3.0	9.8
																	400	4.6	15.1
																	700	6.6	21.6
																	900	7.7	25.3
																	1000	8.2	26.9

18 AWG Solid .040" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (60% Coverage)

Gas-injected Foam HDPE Insulation • Black PVC Jacket

UL AWM Style 1354 (30V 80°C)	9248	NEC: CM CEC: CM	U-500 500 U-1000 1000 1640 3280	U-152.4 152.4 U-304.8 304.8 500.0 1000.0	16.5 15.0 32.0 33.0 55.8 108.2	7.5 6.8 14.5 15.0 25.3 49.2	18 AWG (solid) .040" BC 6.4Ω/M' 21.0Ω/km	.180	4.57	Duofoil + 60% TC Braid 5.6Ω/M' 18.4Ω/km	.270	6.86	75	82%	16.2	53.1	1	.3	1.0
																	10	.7	2.3
																	50	1.5	4.9
																	100	2.0	6.6
																	200	2.8	9.2
																	400	4.0	13.1
																	700	5.3	17.4
																	900	6.1	20.0
																	1000	6.5	21.3
																	1500	8.3	27.2

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper • UTP = Unshielded Twisted Pair
Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

†Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.