




Broadband Coax

Headend/Video 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
RG-59/U Type • 20 AWG Solid .031" Bare Copper Conductor • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage)																			
Polyethylene Insulation • Polyethylene Jacket (Available in Red, Yellow, Green, Light Blue, White, Orange or Black)																			
80°C	8281	—	500 [▲]	152.4	37.5	17.0	20 AWG (solid)	.198	5.03	TC Double Braid	.305	7.75	75	66%	21.0	68.9	1	.3	1.0
			1000	304.8	74.0	33.6	.031"			98% Shield Coverage							3.6	.5	1.6
							BC										10.0	.8	2.6
							9.9Ω/M'										71.5	2.1	6.9
							32.5Ω/km										135	3.0	9.8
																	270	4.3	14.1
																	360	5.1	16.7
																	540	6.3	20.7
																	720	7.4	24.3
																	750	7.6	24.9
																	1000	9.2	30.2
*500 ft. put-up not available in White. Max operating voltage — Non UL 2900V RMS																			
Flame-retardant Semi-foam Polyethylene Insulation • PVC Jacket (Available in 9 colors)*																			
UL AWM Style 1354 (30V 80°C)	8281B	NEC: CMR CEC: CMG FT4	1000	304.8	84.0	38.1	20 AWG (solid)	.198	5.03	TC Double Braid	.305	7.75	75	66%	21.0	68.9	1	.3	1.0
							.031"			98% Shield Coverage							3.6	.5	1.6
							BC										10.0	.8	2.6
							9.9Ω/M'										71.5	2.1	6.9
							32.5Ω/km										135	3.0	9.8
																	270	4.4	14.4
																	360	5.1	16.7
																	540	6.6	21.7
																	720	7.8	25.6
																	750	8.0	26.2
																	1000	10.2	33.5
*8281B available in Red, Orange, Yellow, Green, Blue, Purple, Gray, White or Black.																			

22 AWG Stranded (7x29) .031" Bare Compacted Copper Conductor* • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage)

Polyethylene Insulation • PVC Jacket (Matte Red, Blue, Green, Gray or Black)																			
High-Flex 60°C	8281F	—	500 [▲]	152.4	34.5	15.7	22 AWG (7x29)	.198	5.03	TC Double Braid	.305	7.75	75	66%	21.0	68.9	1	.3	.9
			1000	304.8	67.0	30.4	.031"			98% Shield Coverage							3.6	.5	1.7
							BCC										10.0	.9	3.0
							12.2Ω/M'										71.5	2.5	8.2
							40.0Ω/km										135	3.6	11.8
																	270	5.1	16.7
																	360	6.0	19.7
																	540	7.4	24.3
																	720	8.7	28.5
																	750	8.9	29.2
																	1000	10.5	34.5

*500 ft. put-up available in Black only.

Max operating voltage — Non UL 2900V RMS

*Compacted conductor combines impedance uniformity of solid conductors and "nick-resistance" of stranded conductor.

BC = Bare Copper • BCC = Bare Compacted Copper • DCR = DC Resistance • SPC = Silver-plated Copper • SPCCS = Silver-plated, Copper-covered Steel • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.