

50 Ohm Transmission and Computer Cable

RG-188A/U, RG-174/U and RG-58/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

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

Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 75°C)	8216	—	100	30.5	1.1	.5	26 AWG (7x34) .019" BCCS	.060	1.52	TC Braid 90% Shield Coverage	.110	2.79	50	66%	30.8	101.0	1	1.9	6.2
			500	152.4	5.0	2.3											10	3.3	10.8
			1000††	304.8	9.0	4.1											50	5.8	19.0
							97.0Ω/M'			10.7Ω/M'							100	8.4	27.6
							318.2Ω/km			35.1Ω/km							200	12.5	41.0
																	400	19.0	62.3
																	700	27.0	88.6
																	900	31.0	101.7
																	1000	34.0	111.5



RG-188A/U Type • 26 AWG Stranded (7x34) .020" Silver-plated Copper-covered Steel Conductor • SPC Braid Shield (96% Coverage)

TFE Teflon® Insulation • White TFE Tape Jacket																			
200°C VW-1	83269	—	100†	30.5	2.0	.9	26 AWG (7x34) .020" SCCCS	.058	1.47	SPC Braid 96% Shield Coverage	.098	2.49	50	69.5%	29.0	95.1	1	1.2	3.9
			500†	152.4	6.5	2.9											10	2.7	8.9
			1000†	304.8	12.0	5.5											50	5.6	18.4
							91.2Ω/M'			8.5Ω/M'							100	8.3	27.2
							299.2Ω/km			27.9Ω/km							200	12.0	39.4
																	400	17.5	57.4
																	700	23.7	77.8
																	900	27.3	89.6
																	1000	29.0	95.1

MIL-C-17D

RG-58/U Type • 20 AWG Solid .033" Bare Copper Conductor • Bare Copper Braid Shield (78% Coverage)

Polyethylene Insulation • Black PVC Jacket																			
80°C	9201	—	U-500	U-152.4	13.0	4.8	20 AWG (solid) .033" BC	.116	2.95	BC Braid 78% Shield Coverage	.193	4.90	51.5	66%	28.5	93.5	1	.3	1.1
			500	152.4	11.5	5.2											10	1.1	3.6
			U-1000	U-304.8	25.0	11.4											50	2.5	8.2
			1000	304.8	23.0	10.4											100	3.8	12.5
							10.0Ω/M'			5.5Ω/M'							200	5.6	18.4
							33.1Ω/km			18.0Ω/km							400	8.4	27.6
																	700	11.7	38.4
																	900	13.7	44.9
																	1000	14.5	47.6

RG-58/U Type • 20 AWG Solid .033" Bare Copper Conductor • Duobond® II + Tinned Copper Braid Shield (55% Coverage)

Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 60°C)	9310**	—	500	152.4	10.5	4.8	20 AWG (solid) .033" BC	.114	2.90	Duobond II* + 55% TC Braid	.193	4.90	50	66%	30.8	101.0	1	.5	1.5
			U-1000	U-304.8	22.0	10.0											10	1.4	4.6
			1000	304.8	21.0	9.5											50	2.8	9.2
							9.4Ω/M'			8.0Ω/M'							100	3.8	12.5
							28.6Ω/km			24.4Ω/km							200	5.4	17.7
																	400	7.9	25.9
																	700	11.1	36.4
																	900	12.8	42.0
																	1000	13.9	45.6

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • SCCCS = Silver-coated Copper-covered Steel • SPC = Silver-plated Copper • TC = Tinned Copper • TFE = Tetra Fluoroethylene
 Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

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

** See Belden's website, www.belden.com, for connector information.

† May contain more than one piece, min. length of any one piece is 25 ft.

†† May contain more than one piece, min. length of any one piece is 100 ft. Length may vary ±10% from length shown.

Teflon is a DuPont trademark.



For more information, contact Belden Technical Support: **1-800-BELDEN-1** • www.belden.com