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**	—	100 500 1000††	30.5 152.4 304.8	1.1 5.0 9.0	.5 2.3 4.1	26 AWG (7x34) .019″ BCCS 97.0Ω/M′ 318.2Ω/km	.060	1.52	TC Braid 90% Shield Coverage 10.7Ω/M′ 35.1Ω/km	.110	2.79	50	66%	30.8	101.0	1 10 50 100 200 400 700 900 1000	1.9 3.3 5.8 8.4 12.5 19.0 27.0 31.0 34.0	6.2 10.8 19.0 27.6 41.0 62.3 88.6 101.7 111.5
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† 500† 1000†	30.5 152.4 304.8	2.0 6.5 12.0	.9 2.9 5.5	26 AWG (7x34) .020″ SCCCS 91.2Ω/M′ 299.2Ω/km	.058	1.47	SPC Braid 96% Shield Coverage 8.5Ω/M′ 27.9Ω/km	.098	2.49	50	69.5%	29.0	95.1	1 10 50 100 200 400 700 900 1000	1.2 2.7 5.6 8.3 12.0 17.5 23.7 27.3 29.0	3.9 8.9 18.4 27.2 39.4 57.4 77.8 89.6 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-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	13.0 11.5 25.0 23.0	5.9 5.2 11.4 10.4	20 AWG (solid) .033″ BC 10.0Ω/M′ 33.1Ω/km	.116	2.95	BC Braid 78% Shield Coverage 5.5Ω/M′ 18.0Ω/km	.193	4.90	51.5	66%	28.5	93.5	1 10 50 100 200 400 700 900 1000	.3 1.1 2.5 3.8 5.6 8.4 11.7 13.7 14.5	1.1 3.6 8.2 12.5 18.4 27.6 38.4 44.9 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 U-1000 1000	152.4 U-304.8 304.8	10.5 22.0 21.0	4.8 10.0 9.5	20 AWG (solid) .033″ BC 9.4Ω/M′ 28.6Ω/km	.114	2.90	Duobond II* + 55% TC Braid 8.0Ω/M′ 24.4Ω/km	.193	4.90	50	66%	30.8	101.0	1 10 50 100 200 400 700 900 1000	.5 1.4 2.8 3.8 5.4 7.9 11.1 12.8 13.9	1.5 4.6 9.2 12.5 17.7 25.9 36.4 42.0 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.