

# 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)	<b>8216</b>	—	100	30.5	1.1	.5	26 AWG (7x34)	.060	1.52	TC Braid	.110	2.79	50	66%	30.8	101.0	1	1.9	6.2
			500	152.4	5.0	2.3				90% Shield Coverage							10	3.3	10.8
			1000††	304.8	9.0	4.1	.019"			BCCS							50	5.8	19.0
										97.0Ω/M'							100	8.4	27.6
										318.2Ω/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	<b>83269</b>	—	100†	30.5	2.0	.9	26 AWG (7x34)	.058	1.47	SPC Braid	.098	2.49	50	69.5%	29.0	95.1	1	1.2	3.9
			500†	152.4	6.5	2.9	.020"			96% Shield Coverage							10	2.7	8.9
			1000†	304.8	12.0	5.5				SCCCS							50	5.6	18.4
										8.5Ω/M'							100	8.3	27.2
										91.2Ω/M'							200	12.0	39.4
										299.2Ω/km							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	<b>9201</b>	—	U-500	U-152.4	13.0	5.9	20 AWG (solid)	.116	2.95	BC Braid	.193	4.90	51.5	66%	28.5	93.5	1	.3	1.1
			500	152.4	11.5	5.2	.033"			78% Shield Coverage							10	1.1	3.6
			U-1000	U-304.8	25.0	11.4				BC							50	2.5	8.2
			1000	304.8	23.0	10.4				5.5Ω/M'							100	3.8	12.5
										10.0Ω/M'							200	5.6	18.4
										33.1Ω/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)	<b>9310**</b>	—	500	152.4	10.5	4.8	20 AWG (solid)	.114	2.90	Duobond II* + 55%	.193	4.90	50	66%	30.8	101.0	1	.5	1.5
			U-1000	U-304.8	22.0	10.0	.033"			TC Braid							10	1.4	4.6
			1000	304.8	21.0	9.5				8.0Ω/M'							50	2.8	9.2
										9.4Ω/M'							100	3.8	12.5
										28.6Ω/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](http://www.belden.com), for connector information.

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

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Teflon is a DuPont trademark.