

50 Ohm Transmission and Computer Cable

RG-58A/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-58A/U Type • 20 AWG Stranded (19x32) .037" Tinned Copper • 96% Tinned Copper Braid Shield

Foam Polyethylene Insulation • Black or White PVC Jacket																			
UL AWM Style 1354 (30V 80°C)	8219	NEC: CM	U-500 [▲] 500	U-152.4 152.4	14.0 16.0	6.4 7.3	20 AWG (19x32)	.114	2.90	TC Braid 96% Shield Coverage	.194	4.93	53.5	73%	26.5	86.9	1 10 50 100 200 400 700 900 1000	.4 1.3 3.1 4.5 6.6 10.0 14.2 16.6 18.1	1.2 4.3 10.2 14.8 21.7 32.8 46.6 54.5 59.4
		CEC: CM	U-1000 [▲] 1000	U-304.8 304.8	27.0 27.0	12.3 12.3	.037" TC			4.1Ω/M' 13.4Ω/km									
										8.8Ω/M' 28.9Ω/km									

P-MSHA • SC-182/5*
 *U-500 ft. and U-1000 ft. put-ups available in White only.

RG-58A/U Type • 20 AWG Stranded (19x32) .037" Tinned Copper • Duobond® II + 55% Tinned Copper Braid Shield

Foam Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 80°C)	9311**	NEC: CM	U-500 U-1000	U-152.4 U-304.8	14.5 23.0	6.6 10.5	20 AWG (19x32)	.114	2.90	Duobond II + 55% TC Braid	.193	4.90	52	75%	26.0	85.3	1 10 50 100 200 400 700 900 1000	.5 1.5 2.9 4.0 5.7 8.5 12.2 14.5 15.8	1.6 4.9 9.5 13.1 18.7 27.9 40.0 47.6 51.8
		CEC: CM	1000	304.8	23.0	10.5	.037" TC			17.0Ω/M' 55.8Ω/km									
										8.8Ω/M' 28.9Ω/km									

RG-58A/U Type • 20 AWG Stranded (19x33) .035" Tinned Copper • 95% Tinned Copper Braid Shield

Polyethylene Insulation • Black PVC Jacket																			
75°C	8259		100	30.5	3.5	1.6	20 AWG (19x33)	.116	2.95	TC Braid 95% Shield Coverage	.192	4.88	50	66%	30.8	101.0	1 10 50 100 200 400 700 900 1000	.4 1.5 3.7 5.4 8.1 12.4 17.7 21.1 22.8	1.4 4.9 12.1 17.7 26.6 40.7 58.1 69.2 74.8
			U-500	U-152.4	13.5	6.1	.035" TC			4.1Ω/M' 13.4Ω/km									
			500	152.4	16.0	7.3	.035" TC			10.8Ω/M' 35.4Ω/km									
			U-1000	U-304.8	27.0	12.3													
			1000	304.8	27.0	12.3													

RG-58A/U Type • 20 AWG Solid .032" Bare Copper • 95% Tinned Copper Braid Shield

Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 80°C)	8240	NEC: CMX	U-500 U-1000	U-152.4 U-304.8	14.5 28.0	6.6 12.7	20 AWG (solid)	.116	2.95	TC Braid 95% Shield Coverage	.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
		CEC:	500	152.4	16.0	7.3	.032" BC			4.1Ω/M' 13.4Ω/km									
			1000	304.8	28.0	12.7	10.0Ω/M' 32.8Ω/km												

Plenum • FEP Insulation • Black FEP Jacket																			
200°C	88240	NEC: CMP	U-500 [†] 1000 [†]	U-152.4 U-304.8	14.0 26.0	6.4 11.8	20 AWG (solid)	.107	2.72	TC Braid 95% Shield Coverage	.159	4.04	53.5	69.5%	26.4	86.6	1 10 50 100 200 400 700 900 1000	.5 1.2 3.0 4.3 6.4 9.7 13.7 16.1 17.3	1.6 3.9 9.8 14.2 21.0 31.7 45.0 52.8 56.6
		CEC: CMP FT6	500 [†]	152.4	16.0	7.3	.032" BC			6.7Ω/M' 22.0Ω/km									
			1000 [†]	304.8	26.0	11.8	10.2Ω/M' 33.5Ω/km												

Plenum • FEP Insulation • Natural Flamarrest® Jacket																			
75°C	82240	NEC: CMP	U-500 [†] U-1000 [†]	U-152.4 U-304.8	12.5 25.0	5.7 11.4	20 AWG (solid)	.107	2.72	TC Braid 95% Shield Coverage	.159	4.04	53.5	69.5%	26.4	86.6	1 10 50 100 200 400 700 900 1000	.5 1.2 3.0 4.3 6.4 9.7 13.7 16.1 17.3	1.6 3.9 9.8 14.2 21.0 31.7 45.0 52.8 56.6
		CEC: CMP FT6	500 [†]	152.4	16.0	7.3	.032" BC			6.7Ω/M' 22.0Ω/km									
			1000 [†]	304.8	25.0	11.4	10.2Ω/M' 33.5Ω/km												

BC = Bare Copper • DCR = DC Resistance • TC = Tinned Copper

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

*Pennsylvania Department of Environmental Resource and United States Mine Safety and Health Administration certification. **See Belden's website, www.belden.com, for connector information.

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



MIL-C-17G QPL Cable

50 Ohm Coax

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

15.5 AWG Solid .056" Silver-coated Copper • Two Silver-coated Copper Braids (95% Shield Coverage)

Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
85°C	9861		1000	304.8	91.0	41.4	15.5 AWG (solid)	.185	4.70	(2) SCC Braids	.332	8.43	50	66%	30.8	101.0	1	.3	.9
							.056"			95% Shield Coverage							10	.8	2.7
							SCC										50	1.9	6.2
							3.3Ω/M'										100	2.7	8.9
							10.8Ω/km										200	4.1	13.5
																	400	5.9	19.4
																	700	8.0	26.2
																	900	9.1	29.9
																	1000	9.8	32.1

M17/162-00001 (RG-212/U). Non-SWR swept version of RG-212.

13 AWG Stranded (7x21) .089" Bare Copper • 97% Bare Copper Braid Shield

Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
UL AWM Style 1354 (30V 60°C)	8267	NEC: CMX CEC: CMX	500 1000	152.4 304.8	57.0 113.0	25.9 51.4	13 AWG (7x21)	.285	7.24	BC Braid	.405	10.29	50	66%	30.8	101.0	1	.2	.6
							.089"			97% Shield Coverage							10	.6	1.8
							BC										50	1.3	4.3
							1.7Ω/M'										100	1.9	6.2
							5.6Ω/km										200	2.7	8.9
																	400	4.1	13.5
																	700	6.5	21.3
																	900	7.6	24.9
																	1000	8.0	26.2
																	4000	21.5	70.5

M17/163-00001 (RG-213/U). Non-SWR swept version of RG-213.

13 AWG Stranded (7x21) .089" Silver-coated Copper • Two Silver-coated Copper Braids (97% Shield Coverage)

Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
UL AWM Style 1354 (30V 60°C)	8268	NEC: CMX CEC: CMX	500 1000	152.4 304.8	68.0 135.0	30.9 61.4	13 AWG (7x21)	.285	7.24	(2) SCC Braids	.425	10.80	50	66%	30.8	101.0	1	.2	.6
							.089"			97% Shield Coverage							10	.6	1.8
							SCC										50	1.3	4.3
							1.7Ω/M'										100	1.9	6.2
							5.6Ω/km										200	2.7	8.9
																	400	4.1	13.4
																	700	6.5	21.3
																	900	7.6	24.9
																	1000	8.0	26.2
																	4000	20.0	65.6

M17/164-00001 (RG-214/U). Non-SWR swept version of RG-214.

BC = Bare Copper • DCR = DC Resistance • SCC= Silver-coated Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

†Spools may contain more than one piece. Length may vary ±10% from length shown.



Special Audio, Communication and Instrumentation Cable

Miniature Instrumentation and Low Triboelectric Noise Coax

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

Miniature • 28 AWG Solid .013" Tinned Copper • 90% Bare Copper Braid Shield

Polypropylene Insulation • Black PVC Jacket																			
105°C VW-1	8700	NEC: CMH CEC: CMH FT1	250	76.2	.8	.3	28 AWG (solid) .013" TC 66.9Ω/M' 219.5Ω/km	.023	.58	BC Braid 90% Shield Coverage TC 28.7Ω/M' 94.2Ω/km	.054	1.37	32	66%	55.2	181.1	1	2.5	8.2
																	10	7.7	25.3
																	50	17.2	56.4
																	100	24.5	80.4
																	200	34.8	114.2
																	400	50.0	164.0
																	700	66.0	216.0
																	900	75.0	246.0
																	1000	79.0	259.2

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

Polyethylene Insulation • Conductive Layer • Black PVC Jacket																			
60°C	9239		100	30.5	1.0	.5	26 AWG (7x34) .019" BCCS 97.0Ω/M' 318.2Ω/km	.044	1.12	TC Braid 90% Shield Coverage BCCS 14.0Ω/M' 45.9Ω/km	.101	2.57	50	62%	38	125	—	—	—
			500	152.4	5.0	2.3													
			1000	304.8	8.0	3.6													

5mV peak-to-peak max.
Not recommended for RF use.

Low Noise • RG-59/U Type • 22 AWG Solid .025" Bare Copper-covered Steel • 93% Bare Copper Braid Shield

Polyethylene Insulation • Conductive Layer • Black PVC Jacket																			
75°C VW-1	9224		U-500	U-152.4	19.5	8.9	22 AWG (solid) .025" BCCS 54.0Ω/M' 177.0Ω/km	.146	3.71	BC Braid 93% Shield Coverage BCCS 2.5Ω/M' 8.2Ω/km	.242	6.15	75	65%	22	72	—	—	—
			1000	304.8	38.0	17.3													

5mV peak-to-peak max.
Not recommended for RF use.

Low Noise • RG-58/U Type • 22 AWG Stranded (7x30) .030" Tinned Copper • Duobond® II + 95% TC Braid (100% Shield Coverage)

Polyethylene Insulation • Black PVC Jacket																			
80°C VW-1	9223		100	30.5	3.4	1.5	22 AWG (7x30) .030" TC 10.8Ω/M' 35.4Ω/km	.112	2.84	Duobond II + 95% TC Braid 100% Shield Coverage 4.1Ω/M' 13.5Ω/km	.195	4.95	50	56%	37	122	—	—	—
			500	152.4	15.5	7.0													
			1000	304.8	26.0	11.8													

8mV peak-to-peak max.
Not recommended for RF use.

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

