

50 Ohm Transmission and Computer Cable

RG-8X and RG-8/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-8X Type • 16 AWG Stranded (19x29) .058" Bare Copper Conductor • Bare Copper Braid Shield (95% Coverage)

Gas-injected FPE Insulation • Black PVC Jacket																				
UL AWM	9258	NEC:	U-500	U-152.4	20.0	9.1	16 AWG	.155	3.94	BC Braid	.242	6.15	50	82%	24.8	75.6	1	.3	1.0	
Style 1354		CM	500	152.4	18.5	8.4	(19x29)			95% Shield							10	.9	3.0	
(30V 80°C)		CEC:	U-1000	U-304.8	39.0	17.7	.058"			Coverage								50	2.1	6.9
		CM	1000*	304.8	40.0	18.2				BC								100	3.1	10.2
									4.3Ω/M'									200	4.5	14.8
									14.1Ω/km									400	6.6	21.7
																		700	9.1	29.9
																		900	10.7	35.1
																		1000	11.2	36.7

*1000 ft. put-up also available in White.
Suitable for Outdoor and Aerial applications.

RG-8/U Type • 13 AWG Stranded (7x21) .085" Bare Copper Conductor • Bare Copper Braid Shield (97% Coverage)

Polyethylene Insulation • Black PVC Jacket																					
75°C	8237	NEC:	100	30.5	13.6	6.2	13 AWG	.285	7.24	BC Braid	.405	10.29	52	66%	28.5	93.5	1	.2	.5		
		CMH	500	152.4	58.0	26.3	(7x21)			97% Shield								10	.6	1.8	
		CEC:	1000	304.8	114.0	51.7	.085"			Coverage									50	1.3	4.3
		CMH FT1					BC			1.2Ω/M'									100	1.9	6.2
									1.9Ω/M'										200	2.8	9.2
									6.2Ω/km										400	4.2	13.8
																			700	5.9	19.4
																			900	6.9	22.6
																			1000	7.4	24.3
																			4000	23.2	76.1

JAN-C-17A
Suitable for Outdoor and Aerial applications.

Polyethylene Insulation • Black Non-contaminating PVC Jacket																					
UL AWM	9251	NEC:	500	152.4	58.0	26.3	13 AWG	.285	7.24	BC Braid	.405	10.29	52	66%	28.5	93.5	1	.2	.5		
Style 1354		CMX	1000	304.8	115.0	52.3	(7x21)			97% Shield								10	.6	1.8	
(30V 60°C)		CEC:					.085"			Coverage									50	1.3	4.3
		CMX					BC			1.2Ω/M'									100	1.9	6.2
									1.9Ω/M'										200	2.8	9.2
									6.2Ω/km										400	4.2	13.8
																			700	5.9	19.4
																			900	6.9	22.6
																			1000	7.4	24.3
																			4000	23.2	76.1

MIL-C-17D

RG-8/U Type • 11 AWG Stranded (7x19) .108" Bare Copper Conductor • Bare Copper Braid Shield (97% Coverage)

Foam Polyethylene Insulation • Black PVC Jacket																					
UL AWM	8214	NEC:	100	30.5	14.2	6.5	11 AWG	.285	7.24	BC Braid	.403	10.24	50	78%	26	85.3	1	.1	.5		
Style 1354		CM	500	152.4	61.0	27.7	(7x19)			97% Shield								10	.5	1.7	
(30V 80°C)		CEC:	1000	304.8	121.0	55.0	.108"			Coverage									50	1.2	3.9
		CM					BC			1.1Ω/M'									100	1.7	5.6
									1.2Ω/M'										200	2.6	8.5
									3.9Ω/km										400	3.9	12.8
																			700	5.6	18.4
																			900	6.5	21.3
																			1000	7.0	23.0
																			4000	21.5	70.5

Suitable for Outdoor and Aerial applications.

BC = Bare Copper • DCR = DC Resistance • FPE = Foam Polyethylene • HDPE = High-density Polyethylene • 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.