

# Video Triax Cable

## RG-11/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

**14 AWG Solid .064" Bare Copper • Two Bare Copper Braids (95% Shield Coverage)**

<b>Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket (Polyethylene Insulation between Braids)</b>																			
80°C	<b>8233</b>		500	152.4	63.0	28.6	14 AWG (solid)	.285	7.24	(2) BC Braids 95% Coverage	.475	12.07	75	84%	16.1	52.8	1	.2	.7
			1000	304.8	122.0	55.5	.064"			Inner:							3.6	.3	1.0
			2000	609.6	240.0	109.1	BC			1.6Ω/M'							10	.4	1.3
							2.5Ω/M'			1.6Ω/M'							71.5	1.1	3.6
							8.2Ω/km			5.2Ω/km							135	1.5	4.9
										Outer:							270	2.3	7.5
										1.4Ω/M'							360	2.7	8.9
										4.6Ω/km							540	3.5	11.5
																	720	4.2	13.8
																	1000	5.2	17.1
																	1500	7.1	23.3
																	2250	9.6	31.5
																	3000	12.0	39.4

Suitable for Outdoor and Direct Burial applications.

<b>Gas-injected Foam HDPE Insulation • Black PVC Jacket (PVC Insulation between Braids)</b>																			
80°C	<b>8233A</b>	NEC:	1000	304.8	142.0	64.5	14 AWG (solid)	.285	7.24	(2) BC Braids 95% Coverage	.475	12.07	75	84%	16.1	52.8	1	.2	.7
		CMR	2000	609.6	240.0	109.1	.064"			Inner:							3.6	.3	1.0
		CEC:	4000	1219.2	574.0	260.9	BC			1.6Ω/M'							10	.4	1.3
		CMG FT4					2.5Ω/M'			1.6Ω/M'							71.5	1.1	3.6
							8.2Ω/km			5.2Ω/km							135	1.5	4.9
										Outer:							270	2.3	7.5
										1.4Ω/M'							360	2.7	8.9
										4.6Ω/km							540	3.5	11.5
																	720	4.2	13.8
																	1000	5.2	17.1
																	1500	7.1	23.3
																	2250	9.6	31.5
																	3000	12.0	39.4

<b>Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket (PE Insulation between Braids; Flooding Compound on Outer Braid)</b>																			
Flooded	<b>7803A</b>		500	152.4	64.0	29.1	14 AWG (solid)	.285	7.24	(2) BC Braids 95% Coverage	.475	12.07	75	84%	16.1	52.8	1	.2	.7
80°C	<b>NEW</b>		1000	304.8	123.0	55.9	.064"			Inner:							3.6	.3	1.0
			3000	914.4	381.0	173.2	BC			1.6Ω/M'							10	.4	1.3
							2.5Ω/M'			1.6Ω/M'							71.5	1.1	3.6
							8.2Ω/km			5.2Ω/km							135	1.5	4.9
										Outer:							270	2.3	7.5
										1.4Ω/M'							360	2.7	8.9
										4.6Ω/km							540	3.5	11.5
																	720	4.2	13.8
																	1000	5.2	17.1
																	1500	7.1	23.3
																	2250	9.6	31.5
																	3000	12.0	39.4

Suitable for Outdoor and Direct Burial applications.

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • PE = Polyethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.



# Low Loss 50 Ohm Wireless RF Transmission Cable

## RG-174 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 Type • 25 AWG** Solid .018" Bare Copper • Dufoil® + 90% Tinned Copper Braid Shield

<b>Solid Polyethylene Insulation • Black PVC Jacket</b>																			
RF100A 80°C	7805 <small>new</small>		100	30.5	2.4	1.1	25 AWG	.061	1.55	Dufoil + 90% TC Braid 9.1Ω/M' 29.9Ω/km	.110	2.79	50	66%	31.2	102.4	30	3.8	12.4
			500	152.4	6.0	2.7	(solid)										50	4.9	16.1
			1000	304.8	10.0	4.5	.018"										150	8.6	28.2
							BC										220	10.4	34.2
							32.0Ω/M'										450	15.2	49.9
							105.0Ω/km										900	22.0	72.3
																	1500	28.7	94.3
																	1800	31.7	104.0
																	2000	33.4	109.7
																	2500	37.8	124.2
																	3000	42.0	137.8
																	4500	52.3	171.5
																	5800	60.9	199.8
																	6000	62.0	203.3

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.

Mates with standard RG-174 connectors.

**RG-174 Type • 24.5 AWG** Solid .020" Bare Copper • Dufoil + 90% Tinned Copper Braid Shield

<b>Foam HDPE Insulation • Gray PVC Jacket</b>																			
RF100LL 80°C	7805R <small>new</small>	NEC:	100	30.5	2.4	1.1	24.5 AWG	.060	1.52	Dufoil + 90% TC Braid 9.4Ω/M' 30.8Ω/km	.110	2.79	50	73.5%	26.2	86.0	30	3.5	11.5
		CMR:	500	152.4	6.0	2.7	(solid)										50	4.6	15.0
		CEC:	1000	304.8	10.0	4.5	.020"										150	8.0	26.1
							BC										220	9.6	31.6
							27.3Ω/M'										450	14.0	46.1
							94.2Ω/km										900	20.2	66.4
																	1500	26.6	87.3
																	1800	29.5	96.7
																	2000	31.2	102.3
																	2500	35.4	116.3
																	3000	39.4	129.2
																	4500	50.0	164.2
																	5800	59.0	193.6
																	6000	60.6	198.7

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.

Mates with standard RG-174 connectors.

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper



# Low Loss 50 Ohm Wireless RF Transmission Cable

## RG-58 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-58 Type • 19 AWG Solid .037" Bare Copper • Dufoil® + 90% Tinned Copper Braid Shield**

Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket																																										
RF195 80°C	7806A <b>new</b>		500	152.4	14.5	6.6	19 AWG (solid) .037" BC 7.6Ω/M' 24.9Ω/km	.110	2.79	Dufoil + 90% TC Braid 4.2Ω/M' 13.8Ω/km	.195	4.95	50	77%	24.3	79.7	30	2.0	6.6																							
		1000	304.8	26.0	11.8	50											2.5	8.2	150	4.0	13.3	220	4.9	16.1	450	7.1	23.4	900	10.3	33.8	1500	13.7	44.8	1800	15.2	49.7	2000	16.1	52.8	2500	18.3	60.1

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.

Mates with standard RG-58 connectors.\*  
Suitable for Outdoor and Direct Burial applications.

Gas-injected Foam HDPE Insulation • Black PVC Jacket																																											
RF195 80°C	7806R <b>new</b>	NEC:	500	152.4	16.0	7.3	19 AWG (solid) .037" BC 7.6Ω/M' 24.9Ω/km	.110	2.79	Dufoil + 90% TC Braid 4.2Ω/M' 13.8Ω/km	.195	4.95	50	77%	24.3	79.7	30	2.0	6.6																								
		CMR	1000	304.8	29.0	13.2											50	2.5	8.2	150	4.0	13.3	220	4.9	16.1	450	7.1	23.4	900	10.3	33.8	1500	13.7	44.8	1800	15.2	49.7	2000	16.1	52.8	2500	18.3	60.1

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.

Mates with standard RG-58 connectors.\*

**RG-58 Type • 17 AWG Solid .044" Bare Copper • Dufoil + 95% Tinned Copper Braid Shield**

Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket																																										
RF200 80°C	7807A <b>new</b>		500	152.4	15.0	6.8	17 AWG (solid) .044" BC 3.3Ω/M' 10.9Ω/km	.116	2.95	Dufoil + 95% TC Braid 4.2Ω/M' 13.8Ω/km	.195	4.95	50	85%	23.5	77.1	30	1.6	5.4																							
		1000	304.8	27.0	12.3	50											2.1	7.0	150	3.7	12.1	220	4.5	14.6	450	6.5	21.2	900	9.2	30.1	1500	12.0	39.2	1800	13.2	43.2	2000	14.0	45.8	2500	15.7	51.6

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.

Mates with standard Land Mobile Radio type connectors.  
Suitable for Outdoor and Direct Burial applications.

Gas-injected Foam HDPE Insulation • Black PVC Jacket																																											
RF200 80°C	7807R <b>new</b>	NEC:	500	152.4	15.5	7.0	17 AWG (solid) .044" BC 3.3Ω/M' 10.9Ω/km	.116	2.95	Dufoil + 95% TC Braid 4.2Ω/M' 13.8Ω/km	.195	4.95	50	85%	23.5	77.1	30	1.6	5.4																								
		CMR	1000	304.8	29.0	13.2											50	2.1	7.0	150	3.7	12.1	220	4.5	14.6	450	6.5	21.2	900	9.2	30.1	1500	12.0	39.2	1800	13.2	43.2	2000	14.0	45.8	2500	15.7	51.6

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.

Mates with standard Land Mobile Radio type connectors.

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

\*Please consult Belden's website, [www.belden.com](http://www.belden.com), for complete listing.



# Low Loss 50 Ohm Wireless RF Transmission Cable

## RG-8X 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 • 15 AWG Solid .057" Bare Copper • Duobond® II + 95% Tinned Copper Braid Shield**

<b>Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket</b>																																										
RF240 80°C	7808A <b>new</b>		500	152.4	20.0	9.1	15 AWG (solid) .057" BC 3.2Ω/M' 10.5Ω/km	.150	3.81	Duobond II + 95% TC Braid 3.5Ω/M' 11.5Ω/km	.240	6.10	50	86%	23.0	75.5	30	1.3	4.1																							
		1000	304.8	39.0	17.7	50											1.6	5.3	150	2.8	9.3	220	3.4	11.1	450	4.9	16.1	900	7.0	22.9	1500	9.1	30.0	1800	10.1	33.2	2000	10.7	35.0	2500	12.0	39.5

Mates with standard RG-8X connectors.\*  
Suitable for Outdoor and Direct Burial applications.

<b>Gas-injected Foam HDPE Insulation • Black PVC Jacket</b>																																											
RF240 80°C	7808R <b>new</b>	NEC:	500	152.4	22.0	10.0	15 AWG (solid) .057" BC 3.2Ω/M' 10.5Ω/km	.150	3.81	Duobond II + 95% TC Braid 3.5Ω/M' 11.5Ω/km	.240	6.10	50	86%	23.0	75.5	30	1.3	4.1																								
		CMR	1000	304.8	44.0	20.0											50	1.6	5.3	150	2.8	9.3	220	3.4	11.1	450	4.9	16.1	900	7.0	22.9	1500	9.1	30.0	1800	10.1	33.2	2000	10.7	35.0	2500	12.0	39.5

Mates with standard RG-8X connectors.\*

<b>Gas-injected Foam HDPE Insulation • Flooded Water-resistant Black Polyethylene Jacket</b>																																											
RF240 80°C	7808WB <b>new</b>		500	152.4	20.0	9.1	15 AWG (solid) .057" BC 7.6Ω/M' 24.9Ω/km	.150	3.81	Duobond II 95% TC Braid 4.2Ω/M' 13.8Ω/km	.240	6.10	50	86%	23.0	75.5	30	1.3	4.1																								
			1000	304.8	39.0	17.7											50	1.6	5.3	150	2.8	9.3	220	3.4	11.1	450	4.9	16.1	900	7.0	22.9	1500	9.1	30.0	1800	10.1	33.2	2000	10.7	35.0	2500	12.0	39.5

Mates with standard RG-8X connectors.\*  
Suitable for Outdoor and Direct Burial applications.

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

\*Please consult Belden's website, [www.belden.com](http://www.belden.com), for complete listing.



# Low Loss 50 Ohm Wireless RF Transmission Cable

Intermediate 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

**Intermediate Type • 13 AWG Solid .072" Bare Copper • Duobond® II + 95% Tinned Copper Braid Shield**

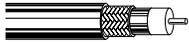
<b>Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket</b>																																										
RF300 80°C	7809A <b>new</b>		500	152.4	30.5	13.9	13 AWG (solid) .072" BC 2.0Ω/M' 6.6Ω/km	.190	4.83	Duobond II + 95% TC Braid 2.7Ω/M' 8.8Ω/km	.300	7.62	50	86%	23.0	75.5	30	1.0	3.4																							
		1000	304.8	59.0	26.8	50											1.3	4.2	150	2.2	7.3	220	2.7	8.9	450	3.9	12.9	900	5.6	18.3	1500	7.3	24.0	1800	8.1	26.5	2000	8.6	28.2	2500	9.7	31.9



100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.

Mates with Land Mobile Radio type connectors.  
Suitable for Outdoor and Direct Burial applications.

<b>Gas-injected Foam HDPE Insulation • Black PVC Jacket</b>																																											
RF300 80°C	7809R <b>new</b>	NEC:	500	152.4	34.0	15.5	13 AWG (solid) .072" BC 2.0Ω/M' 6.6Ω/km	.190	4.83	Duobond II + 95% TC Braid 2.7Ω/M' 8.8Ω/km	.300	7.62	50	86%	23.0	75.5	30	1.0	3.4																								
		CMR	1000	304.8	65.0	29.5											50	1.3	4.2	150	2.2	7.3	220	2.7	8.9	450	3.9	12.9	900	5.6	18.3	1500	7.3	24.0	1800	8.1	26.5	2000	8.6	28.2	2500	9.7	31.9

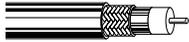


CMG FT4

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.

Mates with Land Mobile Radio type connectors.\*

<b>Gas-injected Foam HDPE Insulation • Flooded Water-resistant Black Polyethylene Jacket</b>																																										
RF300 80°C	7809WB <b>new</b>		500	152.4	30.5	13.9	13 AWG (solid) .072" BC 2.0Ω/M' 6.6Ω/km	.190	4.83	Duobond II + 95% TC Braid 2.7Ω/M' 8.8Ω/km	.300	7.62	50	86%	23.0	75.5	30	1.0	3.4																							
		1000	304.8	59.0	26.8	50											1.3	4.2	150	2.2	7.3	220	2.7	8.9	450	3.9	12.9	900	5.6	18.3	1500	7.3	24.0	1800	8.1	26.5	2000	8.6	28.2	2500	9.7	31.9



100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.

Mates with Land Mobile Radio type connectors.\*  
Suitable for Outdoor and Direct Burial applications.

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

\*Please consult Belden's website, [www.belden.com](http://www.belden.com), for complete listing.



# Low Loss 50 Ohm Wireless RF Transmission Cable

## RG-8 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-8 Type • 10 AWG Solid .108" Bare Copper-covered Aluminum • Duobond® II + 95% Tinned Copper Braid Shield**

<b>Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket</b>																																										
RF400 80°C	7810A <b>new</b>		500	152.4	42.5	19.3	10 AWG (solid) .108" CCA 1.3Ω/M' 4.4Ω/km	.285	7.24	Duobond II + 95% TC Braid CCA 1.8Ω/M' 5.8Ω/km	.405	10.29	50	86%	23.0	75.5	30	.7	2.1																							
		1000	304.8	86.0	39.1	50											.9	2.8	150	1.5	4.9	220	1.8	6.0	450	2.7	8.8	900	3.8	12.6	1500	5.1	16.6	1800	5.6	18.5	2000	6.0	19.6	2500	6.7	22.0



100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.

Mates with 9913 and Land Mobile Radio type connectors.\*  
Suitable for Outdoor and Direct Burial applications.

<b>Gas-injected Foam HDPE Insulation • Black PVC Jacket</b>																																											
RF400 80°C	7810R* <b>new</b>	NEC:	500	152.4	48.5	22.0	10 AWG (solid) .108" CCA 1.3Ω/M' 4.4Ω/km	.285	7.24	Duobond II + 95% TC Braid CCA 1.8Ω/M' 5.8Ω/km	.405	10.29	50	86%	23.0	75.5	30	.7	2.1																								
		CMR	1000	304.8	98.0	44.5											50	.9	2.8	150	1.5	4.9	220	1.8	6.0	450	2.7	8.8	900	3.8	12.6	1500	5.1	16.6	1800	5.6	18.5	2000	6.0	19.6	2500	6.7	22.0



CMG FT4

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.

Mates with 9913 and Land Mobile Radio type connectors.\*

<b>Gas-injected Foam HDPE Insulation • Flooded Water-resistant Black Polyethylene Jacket</b>																																										
RF400 80°C	7810WB <b>new</b>		500	152.4	42.5	19.3	10 AWG (solid) .108" CCA 1.3Ω/M' 4.4Ω/km	.285	7.24	Duobond II + 95% TC Braid CCA 1.8Ω/M' 5.8Ω/km	.405	10.29	50	86%	23.0	75.5	30	.7	2.1																							
		1000	304.8	86.0	39.1	50											.9	2.8	150	1.5	4.9	220	1.8	6.0	450	2.7	8.8	900	3.8	12.6	1500	5.1	16.6	1800	5.6	18.5	2000	6.0	19.6	2500	6.7	22.0



100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.

Mates with 9913 and Land Mobile Radio type connectors.\*  
Suitable for Outdoor and Direct Burial applications.

CCA = Copper-covered Aluminum • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

\*Please consult Belden's website, [www.belden.com](http://www.belden.com), for complete listing.



# 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. of Prop. (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 • 90% Tinned Copper Braid Shield

<b>Polyethylene Insulation • Black PVC Jacket</b>																			
UL AWM Style 1354 (30V 60°C)	<b>8216</b>		100	30.5	1.0	.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	5.5	2.5	.019"			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'			35.1Ω/km							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) .007" Silver-coated Copper-covered Steel • 96% Silver-coated Copper Braid Shield

<b>TFE Teflon® Insulation • White TFE Tape Jacket</b>																			
200°C VW-1	<b>83269</b>		100†	30.5	2.8	1.3	26 AWG (7x34)	.058	1.47	SCC Braid	.098	2.49	50	69.5%	29.0	95.1	1	1.2	3.9
			500†	152.4	7.0	3.2	.007"			96% Shield Coverage	±.004	±.10					10	2.7	8.9
			1000†	304.8	12.0	5.5	.007"			SCCCS							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

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**RG-58/U Type • 20 AWG** Solid .033" Bare Copper • 78% Bare Copper Braid Shield

<b>Polyethylene Insulation • Black PVC Jacket</b>																			
75°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	15.5	7.0	.033"			78% Shield Coverage							10	1.1	3.6
			U-1000	U-304.8	26.0	11.8	.033"			BC							50	2.5	8.2
			1000	304.8	25.0	11.4	.033"			5.5Ω/M'							100	3.8	12.5
							10.0Ω/M'			18.0Ω/km							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 • Duobond® II + 55% Tinned Copper Braid Shield

<b>Polyethylene Insulation • Black PVC Jacket</b>																			
UL AWM Style 1354 (30V 60°C)	<b>9310*</b>		500	152.4	14.0	6.4	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	23.0	10.5	.033"			TC Braid							10	1.4	4.6
			1000	304.8	23.0	10.5	.033"			14.0Ω/M'							50	2.8	9.2
							10.0Ω/M'			45.9Ω/km							100	3.8	12.5
							33.1Ω/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

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • SCC = Silver-coated Copper • SCCC = Silver-coated Copper-covered Steel • 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.

\* See Belden's website, [www.belden.com](http://www.belden.com), for connector information.  
 † Spools may contain more than one piece. Length may vary ±10% from length shown.  
 †† Multi-piece spool (max. 3 pieces, min. length 100'). Length may vary ±10% from length shown.

Teflon is a DuPont trademark.



# 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 • 95% Bare Copper Braid Shield

Foam Polyethylene Insulation • Black PVC Jacket																				
UL AWM Style 1354 (30V 80°C)	<b>9258</b>	NEC:	U-500	U-152.4	20.0	9.1	16 AWG (19x29)	.155	3.94	BC Braid	.242	6.15	50	82%	24.8	81.4	1	.3	.8	
		CM	500	152.4	20.0	9.1				95% Shield							10	.9	2.9	
		CEC:	U-1000	U-304.8	40.0	18.2	.058"			Coverage								50	2.1	6.9
		CM	1000 <sup>▲</sup>	304.8	40.0	18.2				BC	3.3Ω/M'	10.8Ω/km						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.

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

Polyethylene Insulation • Black PVC Jacket																					
75°C	<b>8237</b>	NEC:	100	30.5	13.3	6.0	13 AWG (7x21)	.285	7.24	BC Braid	.405	10.29	52	66%	28.5	93.5	1	.2	.5		
		CMH	500	152.4	56.5	25.7				97% Shield								10	.6	1.8	
		CEC:	1000	304.8	112.0	50.9	.085"			Coverage									50	1.3	4.3
		CMH FT1								BC	1.2Ω/M'	3.9Ω/km							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	

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Polyethylene Insulation • Black Non-contaminating PVC Jacket																						
UL AWM Style 1354 (30V 60°C)	<b>9251</b>	NEC:	500	152.4	58.0	26.4	13 AWG (7x21)	.285	7.24	BC Braid	.405	10.29	52	66%	28.5	93.5	1	.2	.5			
		CMX	1000	304.8	115.0	52.3				97% Shield									10	.6	1.8	
		CEC:					.085"			Coverage										50	1.3	4.3
		CMX								BC	1.2Ω/M'	3.9Ω/km								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 • 97% Bare Copper Braid Shield

Foam Polyethylene Insulation • Black PVC Jacket																							
UL AWM Style 1354 (30V 80°C)	<b>8214</b>	NEC:	100	30.5	14.2	6.5	11 AWG (7x19)	.285	7.24	BC Braid	.403	10.24	50	78%	26	85.3	1	.1	.5				
		CM	500	152.4	61.0	27.7				97% Shield										10	.5	1.7	
		CEC:	1000	304.8	121.0	55.0	.108"			Coverage											50	1.2	3.9
		CM								BC	1.1Ω/M'	3.6Ω/km									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	

BC = Bare Copper • DCR = DC Resistance • 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.

