

593 576



Brilliance[®] 50 ohm Transmission Cables

Description UL AWM Style	Trade No. UL NEC Type CSA Cert.	Standard Lengths		Std. Unit Lbs. ea.	AWG (stranding) [Dia. in In.] Nom. D.C.R.	Insulation & Nominal Core O.D.		Nominal O.D.		No. of Shields & Material Nom. D.C.R.	Nom. Imp. (ohms)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation	
		ft.	m			Inch	mm	Inch	mm				pF/ft.	pF/m	MHz	dB/100 ft.

RG-8/U Type (cont'd)

See Connector Cross Reference Guide on Pages 67-69 for Connector Recommendations.

 1478 30V 60°C RG-8/U Type DEC Part No. 17-00451-00 Ethernet[▲]	9880 NEC CM CL2 CSA CXC FT1	500	152.4	63.6	.0855 solid bare copper 1.42Ω/M' 4.66Ω/km	Foam Polyethylene		.405	10.29	Duobond [®] II +94% tinned copper braid + Duofoil [®] +90% tinned copper braid 1.52Ω/M' 5.0Ω/km	50	78%	26	85	1	.19	.62
		1000	304.8	123.5		.247	6.27				5	.37	1.21				
Yellow PVC jacket. Ring band stripes every 2.5 meters. For Plenum version see 89880 below.																	
100 1.70 5.58 200 2.55 8.37 400 3.90 12.8 700 5.50 18.1 900 6.50 21.3 1000 6.90 22.6																	
 200° C Non-conduit Plenum DEC Part No. 17-00324-00 RG-8/U Type Ethernet	89880 NEC CMP CL2P CSA CXC FT4 FT6	100	30.5	17.7	.0855 solid bare copper 1.42Ω/M' 4.66Ω/km	Foam FEP Teflon [®]		.375	9.53	Duobond II +97% tinned copper braid + Duofoil +92% tinned copper braid 1.52Ω/M' 5.0Ω/km	50	78%	26	85	1	.19	.62
		500	152.4	74.9		.247	6.27				5	.37	1.21				
Orange fluorocopolymer jacket. Ring band stripes every 2.5 meters.																	
10 .52 1.71 50 1.20 3.94 100 1.70 5.58 200 2.55 8.37 400 3.90 12.8 700 5.50 18.1 900 6.50 21.3 1000 6.90 22.6																	

Low Loss RG-8/U Type

See Connector Cross Reference Guide on Pages 67-69 for Connector Recommendations.

 80°C RG-8/U Type	9913	100	30.5	17.9	10 (solid) .108 bare copper 0.90Ω/M' 3.0Ω/km	Semi-solid Polyethylene		.405	10.29	Duobond [®] II +90% tinned copper braid 100% shield coverage 1.8Ω/M' 5.9Ω/km	50	84%	24	78.7	1	.1	.3
		250	76.2	31.3		.286	7.26				10	.4	1.3				
Black PVC jacket. For Plenum version, see 89913 below. See Attenuation and Power Rating Charts on next page.																	
50 1.9 3.0 100 1.3 4.3 200 1.8 5.9 400 2.7 8.9 700 3.6 11.8 900 4.2 13.8 1000 4.5 14.8 4000 11.0 36.1																	
 150°C Non-conduit Plenum RG-8/U Type	89913 NEW NEC CMP CSA CXC FT4 FT6	500	152.4	63.5	10 (solid) .108 bare copper 0.90Ω/M' 3.0Ω/km	Semi-solid FEP Teflon		.357	9.07	Duobond [®] II +90% tinned copper braid 100% shield coverage 1.8Ω/M' 5.9Ω/km	50	83%	25	82	1	.1	.3
		1000	304.8	123.2		.288	7.32				10	.4	1.3				
Black fluorocopolymer jacket.																	
50 1.0 3.3 100 1.6 5.2 200 2.3 7.5 400 3.4 11.1 700 5.0 16.4 900 6.0 19.7 1000 7.5 24.6 4000 18.0 59.1																	
 1354 30V 80°C RG-8/U Type	9914 NEC CL2 CSA CXC FT1	100	30.5	18.0	10 (solid) .103 bare copper 1.2Ω/M' 3.9Ω/km	Foam Polyethylene		.403	10.24	Duobond II +95% tinned copper braid 100% shield coverage 1.1Ω/M' 3.6Ω/km	50	78%	26	85.3	1	.1	.3
		250	76.2	31.1		.285	7.24				10	.5	1.6				
Black PVC jacket. See Attenuation and Power Rating Charts on next page.																	
50 1.1 3.6 100 1.6 5.2 200 2.4 7.9 400 3.5 11.5 700 5.0 16.4 900 5.7 18.7 1000 6.0 19.7 4000 13.0 42.6																	