

# 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 Conductor • Beldfoil® (100% Coverage) + Tinned Copper Braid Shield (90% Coverage)

<b>Solid Polyethylene Insulation • Black PVC Jacket</b>																																				
RF100A 80°C	7805	—	100 <sup>†</sup>	30.5	1.8	.8	25 AWG	.061	1.55	Beldfoil	.110	2.79	50	66%	31.2	102.4	30	3.8	12.4																	
			500	152.4	5.5	2.5	(solid)			+ 90% TC								50	4.9	16.1																
			1000	304.8	10.0	4.5	.018"			Braid									150	8.6	28.2															
											BC									220	10.4	34.2														
											3.2Ω/M'									450	15.2	49.9														
											10.5Ω/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  
Belden® The Wire in Wireless.

Mates with standard RG-174 connectors. Suitable for Aerial applications when supported by a Messenger wire.

**RG-174 Type • 24.5 AWG** Solid .020" Bare Copper Conductor • Beldfoil + Tinned Copper Braid Shield (93% Coverage)

<b>Foam HDPE Insulation • Gray PVC Jacket</b>																																				
RF100LL 80°C	7805R	NEC:	100 <sup>†</sup>	30.5	1.8	.8	24.5 AWG	.060	1.52	Beldfoil	.110	2.79	50	73.5%	26.2	86.0	30	3.5	11.5																	
		CMR:	500	152.4	5.5	2.5	(solid)			+ 93% TC								50	4.6	15.0																
		CEC:	1000	304.8	10.0	4.5	.020"			Braid									150	8.0	26.1															
		CMG FT4								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  
Belden® The Wire in Wireless.

Mates with standard RG-174 connectors.

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

<sup>†</sup>May contain more than one piece. Min. length of any one piece is 25 ft.