

# RG 59/U Type

**Product Construction:**

**Conductors:**

- Copper per ASTM B-3
- Copper-clad steel per ASTM B-869
- Twisted pair color code: black and red

**Insulation/Core:**

- Solid and cellular polyethylene (PE) designs or foam fluoropolymer (FEP) design

**Shield:**

- Bare copper braid

**Jacket:**








- Premium PVC compound or PE compound

**Packaging:**

- Please contact Customer Service for packaging and color options

**Applications:**

- Suitable for RF signal transmission
- CATV
- MATV
- CCTV†
- Local Area Network
- Digital video
- Monitor/VDT display
- See Coax Connector Cross Reference, pages 192-199

CATALOG NUMBER	AWG SIZE NOM. DCR	INSULATION MATERIAL		SHIELD COVERAGE NOM SHLD DCR	NOMINAL O.D.		NOMINAL CAPACITANCE		VELOCITY OF PROPAGATION, %	NOMINAL IMPEDANCE, Ω	NOMINAL ATTENUATION	
		INCHES	mm		INCHES	mm	pF/ft	pF/m			MHz	dB/100'
<b>C1102</b> <b>RG 59/U Type</b> 	20 Ga. Solid Copper-Clad Steel 45.9 Ω/Mft.	Foam PE		95% Bare Copper Braid 3.5 Ω/Mft.	Black PE		17.30	56.76	82	75	1	0.26
		0.146	3.71		0.242	6.15					10	0.82
<b>C1104</b> <b>RG 59/U Type</b> 1354 	22 Ga. Solid Copper-Clad Steel 73.4 Ω/Mft.	Solid PE		95% Bare Copper Braid 2.6 Ω/Mft.	Black PVC		20.50	67.26	66	73	1	0.41
		0.146	3.71		0.242	6.15					10	0.99
<b>C1135</b> <b>RG 59/U Type</b> <b>UL CL2, CATV, CM</b> <b>CSA CMG</b> 1354 	22 Ga. Solid Copper-Clad Steel 73.4 Ω/Mft.	Foam PE		95% Bare Copper Braid 2.6 Ω/Mft.	Black PVC		16.30	53.48	78	80	1	0.42
		0.146	3.71		0.242	6.15					10	0.92
<b>C1103†</b> <b>RG 59/U Type</b> <b>UL CL2, CATV, CM</b> <b>CSA CMG</b> 1354 	22 Ga. (7/30) Bare Copper 14.8 Ω/Mft.	Foam PE		95% Bare Copper Braid 2.6 Ω/Mft.	Black PVC		17.00	55.78	78	76	1	0.26
		0.146	3.71		0.242	6.15					10	0.91
<b>C1142†</b> <b>RG 59/U Type</b> <b>UL CL2, CATV, CM CSA</b> <b>CMG</b> 1354 	20 Ga. Solid Bare Copper 10.1 Ω/Mft.	Foam PE		95% Bare Copper Braid 2.6 Ω/Mft.	Black PVC		16.20	53.15	78	71	1	0.25
		0.146	3.71		0.234	5.94					10	0.78
<b>C1106</b> <b>RG 59B/U Type</b> <b>MIL-C-17D Type</b> 1354 	23 Ga. Solid Copper-Clad Steel 68.5 Ω/Mft.	Solid PE		95% Bare Copper Braid 2.6 Ω/Mft.	Non-Contaminating Black PVC		21.00	68.90	66	73	1	0.44
		0.146	3.71		0.242	6.15					10	1.02
<b>C8030†</b> <b>RG 59/U Type</b> <b>+18 AWG Unshielded Pair</b> <b>UL CMP c(UL) CMP</b> 	20 AWG Solid BC Coax 18 AWG (7/26) Unshielded Pair	Fluoropolymer		95% Bare Copper Braid	Natural PVC		16.30	53.48	83	75	1	0.78
		0.135	3.43		0.200	5.08					10	1.90
		PVC		Unshielded Pair	0.383	9.73					50	1.98
		0.006	0.15		100	2.80						