

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/VDI 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'
C1102 RG 59/U Type 	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
											50	1.80
											100	2.60
											200	3.70
											500	6.00
											1000	8.80
											1450	10.60
											1800	11.81
											2200	13.05
											3000	15.24
C1104 RG 59/U Type UL 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
											50	2.38
											100	3.49
											200	5.09
											500	8.43
											1000	13.03
											1450	15.69
											1800	17.48
											2200	19.33
											3000	22.57
C1135 RG 59/U Type UL CL2, CATV, CM CSA CMG UL 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
											50	2.10
											100	2.90
											200	4.10
											500	6.60
											1000	9.30
											1450	11.20
											1800	12.48
											2200	13.79
											3000	16.11
C1103† RG 59/U Type UL CL2, CATV, CM CSA CMG UL 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
											50	2.09
											100	3.00
											200	4.33
											500	7.03
											1000	10.64
											1450	12.81
											1800	14.28
											2200	15.78
											3000	18.43
C1142† RG 59/U Type UL CL2, CATV, CM CSA CMG UL 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
											50	1.97
											100	2.79
											200	3.97
											500	6.35
											1000	9.15
											1450	11.02
											1800	12.28
											2200	13.57
											3000	15.85
C1106 RG 59B/U Type MIL-C-17D Type UL 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
											50	2.44
											100	3.55
											200	5.18
											500	8.59
											1000	13.56
											1450	16.33
											1800	18.19
											2200	20.11
											3000	23.49
C8030† RG 59/U Type +18 AWG Unshielded Pair UL CMP c(UL) CMP 	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	X	X					100	2.80
		0.006	0.15		0.383	9.73						200
											500	6.82
											1000	9.64