

RG 59/U Type

Product Construction:

Conductors:

- Copper per ASTM B-3
- Copper-clad steel per ASTM B-869

Insulation/Core:

- Solid and cellular polyethylene designs

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
- Citizen band radio
- Monitor/VDI Display
- See Coax Connector Cross Reference, pages 188-195

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/M	Cellular Polyethylene		95% Bare Copper Braid 3.5 Ω/M	Black PE		17.30	56.76	82	75	1	0.26
		0.146	3.71		0.242	6.15					10	0.82
C1104 RG 59/U Type UL 1354 	22 Ga. Solid Copper - Clad Steel 73.4 Ω/M	Solid Polyethylene		95% Bare Copper Braid 2.6 Ω/M	Black PVC		20.50	67.26	66	73	1	0.41
		0.146	3.71		0.242	6.15					10	0.99
C1135 RG 59/U Type UL CL2, CATV, CM CSA CMG UL 1354 	22 Ga. Solid Copper- Clad Steel 73.4 Ω/M	Cellular Polyethylene		95% Bare Copper Braid 2.6 Ω/M	Black PVC		16.30	53.48	78	80	1	0.42
		0.146	3.71		0.242	6.15					10	0.92
C1103 RG 59/U Type CCTV UL CL2, CATV, CM CSA CMG UL 1354 	22 Ga. (7X30) Bare Copper 14.8 Ω/M	Cellular Polyethylene		95% Bare Copper Braid 2.6 Ω/M	Black PVC		17.00	55.78	78	76	1	0.26
		0.146	3.71		0.242	6.15					10	0.91
C1142 RG 59/U Type CCTV UL CL2, CATV, CM CSA CMG UL 1354 	20 Ga. Solid Bare Copper 10.1 Ω/M	Cellular Polyethylene		95% Bare Copper Braid 2.6 Ω/M	Black PVC		16.20	53.15	78	71	1	0.25
		0.146	3.71		0.234	5.94					10	0.78
C1106 RG 59B/U Type MIL-C-17D Type UL 1354 	23 Ga. Solid Copper- Clad Steel 68.5 Ω/M	Solid Polyethylene		95% Bare Copper Braid 2.6 Ω/M	Non-Contaminating Black PVC		21.00	68.90	66	73	1	0.44
		0.146	3.71		0.242	6.15					10	1.02
C1107 RG 59/U Type CSA(US) CM CSA CMG UL 1354 	23 Ga. Solid Bare Copper- Clad Steel 68.5 Ω/M	Cellular Polyethylene		95% Bare Copper Braid 2.6 Ω/M	Black PVC		21.00	68.90	66	73	1	0.44
		0.146	3.71		0.234	5.94					10	1.02
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	Cellular FEP		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
		Halar		Unshielded Pair	0.200	5.08					100	1.98
		0.006	0.15		0.383	9.73					1000	9.64

RG 59/U Type

Product Construction:

Conductors:

- Copper per ASTM B-3
- Copper-clad steel per ASTM B-869

Insulation/Core:

- Solid and cellular polyethylene designs

Shield:

- Tinned, bare copper or aluminum braid
- Flexfoil® shield

Jacket:

- Premium PVC compound

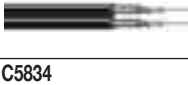
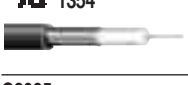
Packaging:

- Please contact Customer Service for packaging and color options

Applications:

- Suitable for RF signal transmission
- MATV
- Local Area Network

- Citizen band radio
- Monitor/VDT display
- Analog video
- Digital video
- See Coax Connector Cross Reference, pages 188-195

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'
C1110 RG 59/U Type  1354	22 Ga. Solid Copper-Clad Steel 73.4 Ω/M	Solid Polyethylene		70% Bare Copper Braid 4.5 Ω/M	Black PVC		22.00	72.18	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
C1112 RG 59/U Type  1354	22 Ga. Solid Copper-Clad Steel 73.4 Ω/M	Cellular Polyethylene		70% Bare Copper Braid 4.5 Ω/M	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
C8005 RG 59/U Dual-Type UL CL2, CATV, CM CSA CMG  20063	23 Ga. Solid Copper-Clad Steel 68.5 Ω/M	Solid Polyethylene		100% Flexfoil® +95% Tinned Copper Braid 2.9 Ω/M	Black PVC		21.00	68.90	66	73	1	0.44
		0.146	3.71		0.242 X 0.498	6.15 X 12.65					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
C5834 RG 59/U Dual-Type UL CL2, CATV, CM CSA CMG  20999	20 Ga. Solid Copper-Clad Steel 45.9 Ω/M	Cellular Polyethylene		100% Flexfoil® Bonded +67% Aluminum Braid 9.7 Ω/M	Black PVC		16.20	53.15	85	75	1	0.60
		0.146	3.71		0.242 X 0.498	6.15 X 12.65					10	1.20
											50	1.95
											100	2.70
											200	3.70
											500	5.70
											1000	8.12
											1450	9.78
											1800	10.89
											2200	12.04
											3000	14.06
C5816 RG 59/U Type Analog Video Digital Video  1354	20 Ga. Solid Bare Copper 73.4 Ω/M	Solid Polyethylene		97% Tinned Copper Double Braid 1.2 Ω/M	Black PVC		21.00	68.90	66	75	1	0.25
		0.198	5.03		0.305	7.75					10	0.78
											50	1.70
											100	2.50
											200	3.70
											500	5.90
											1000	9.20
C5836 RG 59/U Type Analog Video UL CL2X, CMX C(UL) CMH  1354	22 Ga. Solid Copper-Clad Steel 73.4 Ω/M	Solid Polyethylene		85% Bare Copper Braid 2.7 Ω/M	Black PVC		21.00	68.90	66	73	1	0.41
		0.146	3.71		.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
C8025 RG 59/U Type +22 AWG Shielded Pair UL CL2, CATV, CM C(UL) CM 	22 AWG 7/30 BC Coax	Cellular Polyethylene		95% Bare Copper Braid	Black PVC		17.00	55.78	78	76	1	0.26
		0.144	3.66		0.242 X 0.445	6.147 X 11.30					10	0.91
	22 AWG 7/30 Shielded Pair	Premium PVC		125% Flexfoil® Al/PP Shielded							50	2.90
		0.013	0.33								100	3.00
											200	4.33
											500	7.03
											1000	10.64

RG 59/U Type

Product Construction:

Conductors:

- Copper-clad steel per ASTM B-869

Insulation/Core:

- Cellular polyethylene designs

Shield:

- Aluminum braid
- Flexfoil® shield

Jacket:

- Premium PVC compound

Packaging:

- Please contact Customer Service for packaging and color options

Applications:

- Suitable for RF signal transmission
- CATV
- MATV
- Drop cable
- Local Area Network
- Citizen band radio
- Monitor/VDT display
- See Coax Connector Cross Reference, pages 188-195

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'
C5770 RG 59/U Type UL CL2, CATV, CM CSA CMG 1354 	22 Ga. Solid Copper- Clad Steel 73.4 Ω/M	Cellular Polyethylene 0.144 3.66		100% Flexfoil® Bonded +40% Aluminum Braid 11.0 Ω/M	Black PVC 0.231 5.87		16.00	52.50	78	80	1 10 50 100 200 500 1000 1450 1800 2200 3000	0.50 1.00 2.30 3.30 4.10 6.50 9.40 11.32 12.61 13.94 16.28
C5780 RG 59/U Type MATV UL CL2, CATV, CM CSA CMG 1354 	20 Ga. Solid Copper- Clad Steel 45.9 Ω/M	Cellular Polyethylene 0.144 3.66		100% Flexfoil® Bonded +40% Aluminum Braid 11.0 Ω/M	Black PVC 0.234 5.94		16.20	53.15	85	75	1 10 50 100 200 500 1000 1450 1800 2200 3000	0.60 1.20 1.95 2.70 3.70 5.70 8.12 9.78 10.89 12.04 14.06
C5782 RG 59/U Type UL CL2, CATV, CM CSA CMG 1354 	20 Ga. Solid Copper- Clad Steel 45.9 Ω/M	Cellular Polyethylene 0.144 3.66		100% Flexfoil® Bonded +67% Aluminum Braid 9.7 Ω/M	Black PVC 0.234 5.94		16.20	53.15	85	75	1 10 50 100 200 500 1000 1450 1800 2200 3000	0.60 1.20 1.95 2.70 3.70 5.70 8.12 9.78 10.89 12.04 14.06
C5832 RG 59/U Type UL CL2, CATV, CM C(UL) CM 	20 Ga. Solid Copper- Clad Steel 45.9 Ω/M	Cellular Polyethylene 0.144 3.66		100% Flexfoil® Bonded +95% Aluminum Braid 4.1 Ω/M	Black PVC 0.237 6.02		16.20	53.15	85	75	1 10 50 100 200 500 1000 1450 1800 2200 3000	0.60 1.20 1.95 2.70 3.70 5.70 8.12 9.78 10.89 12.04 14.06
C5831 RG 59/U Type Tri-Shield UL CL2, CATV, CM C(UL) CM 	20 Ga. Solid Copper- Clad Steel 45.9 Ω/M	Cellular Polyethylene 0.144 3.66		100% Flexfoil® Bonded +67% Aluminum Braid +100% Flexfoil® 11.0 Ω/M	Black PVC 0.242 6.15		16.20	53.15	85	75	1 10 50 100 200 500 1000 1450 1800 2200 3000	0.60 1.20 1.95 2.70 3.70 5.70 8.12 9.78 10.89 12.04 14.06
C5830 RG 59/U Type Tri-Shield UL CL2, CATV, CM C(UL) CM 	20 Ga. Solid Copper- Clad Steel 45.9 Ω/M	Cellular Polyethylene 0.144 3.66		100% Flexfoil® Bonded +95% Aluminum Braid +100% Flexfoil® 3.0 Ω/M	Black PVC 0.242 6.15		16.20	53.15	85	75	1 10 50 100 200 500 1000 1450 1800 2200 3000	0.60 1.20 1.95 2.70 3.70 5.70 8.12 9.78 10.89 12.04 14.06
C5784 RG 59/U Type Quad-Shield UL CL2, CATV, CM CSA CMG 1354 	20 Ga. Solid Copper- Clad Steel 45.9 Ω/M	Cellular Polyethylene 0.144 3.66		100% Flexfoil® 1st Bonded (1) 67% (2) 46% Aluminum Braids 4.1 Ω/M	Black PVC 0.270 6.86		16.20	53.15	85	75	1 10 50 100 200 500 1000 1450 1800 2200 3000	0.60 1.20 1.95 2.70 3.70 5.70 8.12 9.78 10.89 12.04 14.06

RG 59/U Type

Product Construction:

Conductors:

- Copper-clad steel per ASTM B-869

Insulation/Core:

- Cellular polyethylene and cellular fluoropolymer designs

Shield:

- Bare copper or aluminum braid
- Flexfoil® shield

Jacket:

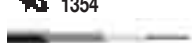
- Premium PVC compound or PE compound

Packaging:

- Please contact Customer Service for packaging and color options

Applications:

- Suitable for RF signal transmission
- MATV
- Local Area Network
- Citizen band radio
- Monitor/VDI display
- Direct burial
- See Coax Connector Cross Reference, pages 188-195

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'
C5842 RG 59/U Type Messengered, Self-Supporting 	20 Ga. Solid Copper- Clad Steel 45.9 Ω/M	Cellular Polyethylene		100% Flexfoil® Bonded +67% Aluminum Braid 9.7 Ω/M	Black PVC		16.20	53.15	85	75	1	0.60
		0.146 3.71			0.242 X	6.15 X					10	1.20
											50	1.95
											100	2.70
											200	3.70
											500	5.70
											1000	8.12
Figure 8. Contains 0.051" galvanized steel messenger wire.												
C5844 RG 59/U Type™ MoistureGuard Direct Burial, Flooded  FlexFill®	20 Ga. Solid Copper- Clad Steel 45.9 Ω/M	Cellular Polyethylene		100% Flexfoil® Bonded +67% Aluminum Braid w/ water block 9.7 Ω/M	Black PE		16.20	53.15	85	75	1	0.60
		0.146 3.71			0.242	6.15					10	1.20
											50	1.95
											100	2.70
											200	3.70
											500	5.70
											1000	8.12
C1158 RG 59/U Type Miniature Type 1354 	27 Ga. (7X35) Copper- Clad Steel 120.0 Ω/M	Solid Polyethylene		93% Tinned Copper Braid 6.5 Ω/M	Black PVC		20.50	67.26	66	75	1	1.20
		0.100 2.54			0.150	3.81					10	2.40
											50	4.20
											100	5.70
											200	8.30
											500	13.53
											1000	20.00
C3526 RG 59/U Type Plenum UL CL2P, CMP C(UL) CMP 	20 Ga. Solid Copper- Clad Steel 45.9 Ω/M	Cellular Fluoropolymer		100% Flexfoil® +65% Aluminum Braid 10.7 Ω/M	Flexguard® Natural		16.00	52.50	84	75	1	0.34
		0.135 3.429			0.202	5.13					10	1.07
											50	1.77
											100	2.50
											200	3.53
											500	5.98
											1000	8.45
											2300	14.10
C3527 RG 59/U Type Quad-Shield Plenum UL CL2P, CMP C(UL) CMP 	20 Ga. Solid Copper- Clad Steel 45.9 Ω/M	Cellular Fluoropolymer		(2) 100% Flexfoil® 1st Bonded (1) 60% (2) 40% Aluminum Braid 6.3 Ω/M	Flexguard® Natural		16.00	52.50	84	75	1	0.34
		0.135 3.429			0.235	5.97					10	1.07
											50	1.77
											100	2.50
											200	3.53
											500	5.98
											1000	8.45
											2300	14.10
C3500 RG 59/U Type Plenum UL CL2P, CMP C(UL) CMP 	20 Ga. Solid Copper- Clad Steel 45.9 Ω/M	Cellular Fluoropolymer		95% Bare Copper Braid 1.9 Ω/M	Flexguard® PVC Natural		16.50	54.14	82	75	1	0.78
		0.145 3.68			0.201	5.11					10	1.90
											50	1.98
											100	2.80
											200	4.10
											500	6.82
											1000	9.64
C8027 RG 59/U Type +18 AWG Shielded Pair UL CL2, CATV, CM C(UL) CM 	22 AWG 7/30 BC Coax	Cellular Polyethylene		95% Bare Copper Braid	Black PVC		17.00	55.78	78	76	1	0.26
	18 AWG 16/30 Shielded Pair	0.144 3.66			0.242 X	6.15 X					10	0.91
					0.480	12.19					50	2.09
		Premium PVC				100					3.00	
		0.016 0.41				200					4.33	
				125% Flexfoil® Al/PP Shielded							500	7.03
											1000	10.64
C8028 RG 59/U Type +18 AWG Unshielded Pair UL CL2, CATV, CM C(UL) CM 	20 AWG Solid BC Coax	Cellular Polyethylene		95% Bare Copper Braid	Black PVC		16.20	53.15	78	71	1	0.25
	18 AWG 7/26 Unshielded Pair	0.144 3.66			0.238 X	6.05 X					10	0.78
					0.440	11.18					50	1.97
		Premium PVC				100					2.70	
		0.010 0.25				200					3.97	
				Unshielded Pair							500	6.35
											1000	9.15