

# 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'											
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
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
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
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
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
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
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	50	1.98	100	2.80	200	4.10	500	6.82	1000	9.64	
		PVC		Unshielded Pair	X	X																	
0.006	0.15	0.383	9.73																				

# 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 foam polyethylene (PE) 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
- CATV
- CCTV†
- Local Area Network
- Monitor/VDT display
- Analog video
- Digital video
- 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>C1110</b> <b>RG 59/U Type</b> 	22 Ga. Solid Copper-Clad Steel 73.4 Ω/Mft.	Solid PE		70% Bare Copper Braid 4.5 Ω/Mft.	Black PVC		22.00	72.18	66	73	1	0.41
		0.146	3.71		0.242	6.15					10	0.99
<b>C1112</b> <b>RG 59/U Type</b> 	22 Ga. Solid Copper-Clad Steel 73.4 Ω/Mft.	Foam PE		70% Bare Copper Braid 4.5 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>C8025†</b> <b>RG 59/U Type</b> <b>+22 AWG Shielded Pair</b> <b>UL CL2, CATV, CM</b> <b>c(UL) CM</b> 	22 AWG (7/30) Bare Copper Coax  22 AWG (7/30) Shielded Pair	Foam PE		95% Bare Copper Braid	Black PVC		17.00	57.78	78	76	1	0.26
		0.144	3.66		0.242 X	6.147 X					10	0.91
		Premium PVC		100% Flexfoil® Al/PP Shielded	0.445	11.30					100	3.00
		0.013	0.33		500	7.03						
						1000	10.64					

# RG 59/U Type

## Product Construction:

### Conductors:

- Copper-clad steel per ASTM B-869

### Insulation/Core:

- Foam polyethylene (PE) design

### 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
- 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>C5770</b> RG 59/U Type UL CL2, CATV, CM CSA CMG 1354 	22 Ga. Solid Copper-Clad Steel 73.4 Ω/Mft.	Foam PE		100% Flexfoil® Bonded + 40% Aluminum Braid 11.0 Ω/Mft.	Black PVC		16.00	52.50	78	80	1	0.50											
		0.144	3.66		0.231	5.87					10	1.00	50	2.30	100	3.30	200	4.10	500	6.50	1000	9.40	1450
<b>C5780</b> RG 59/U Type MATV UL CL2, CATV, CM CSA CMG 1354 	20 Ga. Solid Copper-Clad Steel 45.9 Ω/Mft.	Foam PE		100% Flexfoil® Bonded + 40% Aluminum Braid 11.0 Ω/Mft.	Black PVC		16.20	53.15	85	75	1	0.60											
		0.144	3.66		0.234	5.94					10	1.20	50	1.95	100	2.70	200	3.70	500	5.70	1000	8.12	1450
<b>C5830</b> RG 59/U Type Tri-Shield UL CL2, CATV, CM c(UL) CM 	20 Ga. Solid Copper-Clad Steel 45.9 Ω/Mft.	Foam PE		100% Flexfoil® Bonded + 95% Aluminum Braid + 100% Flexfoil® 3.0 Ω/Mft.	Black PVC		16.20	53.15	85	75	1	0.60											
		0.144	3.66		0.242	6.15					10	1.20	50	1.95	100	2.70	200	3.70	500	5.70	1000	8.12	1450
<b>C5784</b> RG 59/U Type Quad-Shield UL CL2, CATV, CM CSA CMG 1354 	20 Ga. Solid Copper-Clad Steel 45.9 Ω/Mft.	Foam PE		100% Flexfoil® 1st Bonded (1) 67% (2) 46% Aluminum Braids 4.1 Ω/Mft.	Black PVC		16.20	53.15	85	75	1	0.60											
		0.144	3.66		0.270	6.86					10	1.20	50	1.95	100	2.70	200	3.70	500	5.70	1000	8.12	1450

# RG 59/U Type

**Product Construction:**

**Conductors:**

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

**Insulation/Core:**

- Foam polyethylene (PE) design

**Shield:**

- 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
- CATV
- CCTV†
- Local Area Network
- Monitor/VDT display
- Direct burial
- 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>C3526</b> RG 59/U Type Plenum UL CL2P, CMP c(UL) CMP 	20 Ga. Solid Copper-Clad Steel 45.9 Ω/Mft.	Fluoropolymer		100% Flexfoil® +65% Aluminum Braid 10.7 Ω/Mft.	Flexguard® Natural		16.00	52.50	84	75	1	0.34
		0.135	3.429		0.202	5.13					10	1.07
<b>C3527</b> RG 59/U Type Quad-Shield Plenum UL CL2P, CMP c(UL) CMP 	20 Ga. Solid Copper-Clad Steel 45.9 Ω/Mft.	Fluoropolymer		(2) 100% Flexfoil® (1) 60% Aluminum Braid 6.3 Ω/Mft.	Flexguard® Natural		16.00	52.50	84	75	1	0.34
		0.135	3.429		0.235	5.97					10	1.07
<b>C3500</b> RG 59/U Type Plenum UL CL2P, CMP c(UL) CMP 	20 Ga. Solid Copper-Clad Steel 45.9 Ω/Mft.	Fluoropolymer		95% Bare Copper Braid 1.9 Ω/Mft.	Flexguard® PVC Natural		16.50	54.14	83	75	1	0.78
		0.145	3.68		0.201	5.11					10	1.90
<b>C8027†</b> RG 59/U Type +18 AWG Shielded Pair UL CL2, CATV, CM c(UL) CM 	22 AWG (7/30) Bare Copper Coax 18 AWG (16/30) Shielded Pair	Foam PE		95% Bare Copper Braid	Black PVC		17.00	55.78	78	76	1	0.26
		0.144	3.66		0.242	6.15					10	0.91
		Premium PVC		125% Flexfoil® Al/PP Shielded	X	X					100	3.00
		0.016	0.41		0.480	12.19					200	4.33
<b>C8028†</b> RG 59/U Type +18 AWG Unshielded Pair UL CL2, CATV, CM c(UL) CM 	20 AWG Solid Bare Copper Coax 18 AWG (7/26) Unshielded Pair	Foam PE		95% Bare Copper Braid	Black PVC		16.20	53.15	78	71	1	0.25
		0.144	3.66		0.238	6.05					10	0.78
		Premium PVC		Unshielded Pair	X	X					100	1.97
		0.010	0.25		0.440	11.18					200	2.70