

# 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						

# RG 59/U (RGB) Multi-Channel Digital/Precision Cable

## 75 Ohm High-End Coaxial Cables for Video, Analog & Monitor Applications

### Product Construction:

#### Conductors:

- Solid bare copper per ASTM B-3

#### Insulation/Core:

- Foam polyethylene (PE) design

#### Shield:

- Tinned copper braid
- Flexfoil® shield

### Jacket:





- Outer jacket: matte finish thermoplastic elastomer (TPE)
- Inner jacket: flame-retardant PVC

### Packaging:



- Please contact Customer Service for packaging and color options

### Applications:

- Suitable for RF signal transmission
- Broadcast
- HDTV
- Video-analog/digital
- Monitor applications
- 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>RG 59/U SERIAL DIGITAL INTERFACE (SDI), PRECISION COAX, RISER RATED</b>												
<b>395025-3</b> <b>RG 59/U Type</b> <b>UL CMR</b> <b>c(UL) CMG</b> 	20 Ga. 3/Cond. Solid Bare Copper 10.5 Ω/Mft.	Foam PE 0.146   3.71		Bi-Metal Foil +95% Tinned Copper Braid Shield 3.5 Ω/Mft.	Inner: Flame-Retardant PVC		16.30	52.40	83	75	1	0.29
					Outer: TPE Matte							
					0.610	15.49						
											135	2.70
											270	3.80
											540	5.47
											1500	9.30
											2250	11.51
											3000	13.31
<b>395025-4</b> <b>RG 59/U Type</b> <b>UL CMR</b> <b>c(UL) CMG</b> 	20 Ga. 4/Cond. Solid Bare Copper 10.5 Ω/Mft.	Foam PE 0.146   3.71		Bi-Metal Foil +95% Tinned Copper Braid Shield 3.5 Ω/Mft.	Inner: Flame-Retardant PVC		16.30	52.40	83	75	1	0.29
					Outer: TPE Matte							
					0.670	17.04						
											135	2.70
											270	3.80
											540	5.47
											1500	9.30
											2250	11.51
											3000	13.31
<b>395025-5</b> <b>RG 59/U Type</b> <b>UL CMR</b> <b>c(UL) CMG</b> 	20 Ga. 5/Cond. Solid Bare Copper 10.5 Ω/Mft.	Foam PE 0.146   3.71		Bi-Metal Foil +95% Tinned Copper Braid Shield 3.5 Ω/Mft.	Inner: Flame-Retardant PVC		16.30	52.40	83	75	1	0.29
					Outer: TPE Matte							
					0.745	18.87						
											135	2.70
											270	3.80
											540	5.47
											1500	9.30
											2250	11.51
											3000	13.31
<b>395025-10</b> <b>RG 59/U Type</b> <b>UL CMR</b> <b>c(UL) CMG</b> 	20 Ga. 10/Cond. Solid Bare Copper 10.5 Ω/Mft.	Foam PE 0.146   3.71		Bi-Metal Foil +95% Tinned Copper Braid Shield 3.5 Ω/Mft.	Inner: Flame-Retardant PVC		16.30	52.40	83	75	1	0.29
					Outer: TPE Matte							
					1.110	28.19						
											135	2.70
											270	3.80
											540	5.47
											1500	9.30
											2250	11.51
											3000	13.31

### RG 59/U MINI SERIAL DIGITAL INTERFACE (SDI), PRECISION COAX, RISER RATED

<b>395031-3</b> <b>RG 59/U Type</b> <b>UL CMR</b> <b>c(UL) CMG</b> 	23 Ga. 3/Cond. Solid Bare Copper 20.1 Ω/Mft.	Foam PE 0.102   2.59		Bi-Metal Foil +95% Tinned Copper Braid Shield 7.6 Ω/Mft.	Inner: Flame-Retardant PVC		16.50	54.10	83	75	1	0.39
					Outer: TPE Matte							
					0.415	10.58						
											135	3.81
											270	5.40
											540	7.70
											1500	13.00
											2250	16.00
											3000	18.50
<b>395031-5</b> <b>RG 59/U Type</b> <b>UL CMR</b> <b>c(UL) CMG</b> 	23 Ga. 5/Cond. Solid Bare Copper 20.1 Ω/Mft.	Foam PE 0.102   2.59		Bi-Metal Foil +95% Tinned Copper Braid Shield 7.6 Ω/Mft.	Inner: Flame-Retardant PVC		16.50	54.10	83	75	1	0.39
					Outer: TPE Matte							
					0.510	12.95						
											135	3.81
											270	5.40
											540	7.70
											1500	13.00
											2250	16.00
											3000	18.50

# RG 59 Serial Digital Interface Cable

## 75 Ohm High-End Coaxial Cables for Video, Analog & Digital Applications

### Product Construction:

#### Conductors:

- Copper per ASTM B-3

#### Insulation/Core:

- Foam polyethylene (PE) designs
- Foam fluoropolymer (FEP) design

#### Shield:

- Tinned copper braid
- Flexfoil® shield

#### Jacket:



- Premium PVC compound

#### Packaging:

- Please contact Customer Service for packaging and color options

### Applications:

- Suitable for RF signal transmission
- Broadcast-grade
- MATV
- CATV
- Precision video-analog/digital
- Serial digital interface cable (SDI)
- 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>395025</b> <b>RG 59/U Type</b> <b>UL CMR</b> <b>c(UL) CMG</b> 	20 Ga. Solid Bare Copper 10.5 Ω/Mft.	Foam PE		Bi-Metal Foil +95% Tinned Copper Braid Shield 3.5 Ω/Mft.	Flame-Retardant PVC		16.30	53.40	83	75	1	0.29	
		0.146	3.71		0.242	6.15					135	2.70	
<b>495023</b> <b>RG 59/U Type</b> <b>UL CMP</b> <b>c(UL) CMP</b> 	20 Ga. Solid Bare Copper 10.5 Ω/Mft.	Fluoropolymer		Bi-Metal Foil +95% Tinned Copper Braid Shield 3.2 Ω/Mft.	Plenum PVC		16.10	53.00	84	75	1	0.29	
		0.135	3.43		0.199	5.05					10	1.03	
												50	1.88
												100	2.50
												200	3.85
												400	5.53
												540	6.40
												1000	8.56
												2250	17.50
												3000	21.90

# RG 59/U Precision & Miniature Cable

## 75 Ohm High-End Coaxial Cables for Video, Analog and Digital Applications

### Product Construction:

#### Conductors:

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

#### Insulation/Core:

- Solid polyethylene (PE) designs
- Foam fluoropolymer (FEP) design

### Shield:

- Bare or tinned copper, aluminum braid
- Flexfoil® shield

### Jacket:



- Premium PVC compound

### Packaging:

- Please contact Customer Service for packaging and color options

### Applications:

- Suitable for RF signal transmission
- Broadcast-grade
- MATV
- CATV
- CCTV†
- Precision video–analog/digital
- 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>C1158</b> <b>RG 59/U Type</b> <b>Miniature Type</b>  <b>1354</b>	27 Ga. (7/35) Stranded Copper-Clad Steel 120.0 Ω/Mft.	Solid PE		93% Tinned Copper Braid 6.5 Ω/Mft.	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
<b>495028†</b> <b>RG 59/U Type</b> <b>UL CMP</b> <b>c(UL) CMP</b> 	20 Ga. Solid Bare Copper 10.5 Ω/Mft.	Fluoropolymer		95% Bare Copper Braid Shield 2.7 Ω/Mft.	Plenum PVC		16.00	52.50	84	75	1	0.24			
		0.139	3.43		0.197	5.00					10	1.41	50	1.83	100

# 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% (2) 40% 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					0.480	12.19	100	2.09
		0.016	0.41										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					0.440	11.18	100	1.97
		0.010	0.25										200	2.70
											500	3.97		
											1000	6.35		
												9.15		

# 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> <b>RG 59/U Type</b> <b>UL CL2, CATV, CM</b> <b>CSA CMG</b> 	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
<b>C5780</b> <b>RG 59/U Type</b> <b>MATV</b> <b>UL CL2, CATV, CM</b> <b>CSA CMG</b> 	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
<b>C5830</b> <b>RG 59/U Type</b> <b>Tri-Shield</b> <b>UL CL2, CATV, CM</b> <b>c(UL) CM</b> 	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
<b>C5784</b> <b>RG 59/U Type</b> <b>Quad-Shield</b> <b>UL CL2, CATV, CM</b> <b>CSA CMG</b> 	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

# 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	6.147					10	0.91
		Premium PVC		100% Flexfoil® Al/PP Shielded	0.445	11.30					50	2.90
		0.013	0.33		100	3.00						
											200	4.33
											500	7.03
											1000	10.64

# RG 59/U (RGB) Miniature Multi-Channel Precision Cable

75 Ohm High-End Coaxial Cables for Video, Analog & Monitor Applications

**Product Construction:**

**Conductors:**

- Solid bare copper per ASTM B-3

**Insulation/Core:**

- Foam polyethylene (PE) design

**Shield:**

- Tinned copper braid
- Flexfoil® shield

**Jacket:**




- Outer jacket: matte finish thermoplastic elastomer (TPE)
- Inner jacket: flame-retardant PVC

**Packaging:**

- Please contact Customer Service for packaging and color options

**Applications:**

- Suitable for RF signal transmission
- Broadcast
- HDTV
- Video-analog/digital
- Monitor applications
- 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>RG 59/U (RGB) RISER RATED</b>																					
<b>395035-3</b> <b>RG 59/U Type</b> <b>UL CMR</b> <b>c(UL) CMG</b> 	26 Ga. 3/Cond. Stranded (7/34) Bare Copper 39.7 Ω/Mft.	Foam PE		Bi-Metal Foil +95% Tinned Copper Braid Shield 8.6 Ω/Mft.	Inner: Flame-Retardant PVC Outer: TPE Matte		17.30	56.74	78	75	1	0.56									
		0.089	2.26		0.435	11.05					10	1.48	50	3.20	100	5.18	200	6.95	400	9.36	540
<b>395035-4</b> <b>RG 59/U Type</b> <b>UL CMR</b> <b>c(UL) CMG</b> 	26 Ga. 4/Cond. Stranded (7/34) Bare Copper 39.7 Ω/Mft.	Foam PE		Bi-Metal Foil +95% Tinned Copper Braid Shield 8.6 Ω/Mft.	Inner: Flame-Retardant PVC Outer: TPE Matte		17.30	56.74	78	75	1	0.56									
		0.089	2.26		0.460	11.70					10	1.48	50	3.20	100	5.18	200	6.95	400	9.36	540
<b>395035-5</b> <b>RG 59/U Type</b> <b>UL CMR</b> <b>c(UL) CMG</b> 	26 Ga. 5/Cond. Stranded (7/34) Bare Copper 39.7 Ω/Mft.	Foam PE		Bi-Metal Foil +95% Tinned Copper Braid Shield 8.6 Ω/Mft.	Inner: Flame-Retardant PVC Outer: TPE Matte		17.30	56.74	78	75	1	0.56									
		0.089	2.26		0.480	12.19					10	1.48	50	3.20	100	5.18	200	6.95	400	9.36	540