

# RG 6/U Type

**Product Construction:**

**Conductors:**

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

**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†
- HDTV
- Digital video
- Drop cable
- FM broadcast
- See Coax Connector Cross Reference, pages 185-192

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>C5760</b> <b>RG 6/U Type</b> 	18 Ga. Solid Copper-Clad Steel 28.9 Ω/Mft.	Foam PE		100% Flexfoil® 30 Ga. CCS Spiral Served Shield 30.0 Ω/Mft.	Black PVC		16.20	53.15	85	75	1	0.26
		0.180	4.57		0.240	6.10					10	0.81
<b>C5761†</b> <b>RG 6/U Type</b> <b>UL CL2, CATV, CM</b> <b>c(UL) CM</b> 	18 Ga. Solid Bare Copper 6.5 Ω/Mft.	Foam PE		100% Flexfoil® +95% Bare Copper Braid 2.6 Ω/Mft.	Black PVC		16.20	53.15	85	75	1	0.26
		0.180	4.57		0.270	6.86					10	0.81
<b>C5774</b> <b>RG 6/U Type</b> <b>UL CL2, CATV, CM</b> <b>c(UL) CM</b> 	18 Ga. Solid Copper-Clad Steel 28.9 Ω/Mft.	Foam PE		100% Flexfoil® Bonded +40% Aluminum Braid 10.5 Ω/Mft.	Black PVC		16.20	53.15	85	75	1	0.26
		0.177	4.50		0.267	6.78					10	0.81
<b>C5775</b> <b>RG 6/U Type</b> <b>UL CL2, CATV, CM</b> <b>c(UL) CM</b> 	18 Ga. Solid Copper-Clad Steel 28.9 Ω/Mft.	Foam PE		100% Flexfoil® Bonded +60% Aluminum Braid 9.0 Ω/Mft.	Black PVC		16.20	53.15	85	75	1	0.26
		0.177	4.50		0.263	6.68					10	0.81
<b>C5886</b> <b>RG 6/U Type</b> <b>Riser</b> <b>UL CL2R, CATVR, CMR</b> <b>c(UL) CMR</b> 	18 Ga. Solid Copper-Clad Steel 28.9 Ω/Mft.	Foam PE		100% Flexfoil® Bonded +60% Aluminum Braid 9.0 Ω/Mft.	Black PVC		16.20	53.15	85	75	1	0.26
		0.177	4.50		0.263	6.68					10	0.81
<b>C5776</b> <b>RG 6/U Type</b> <b>UL CL2, CATV, CM</b> <b>c(UL) CM</b> 	18 Ga. Solid Copper-Clad Steel 28.9 Ω/Mft.	Foam PE		100% Flexfoil® Bonded +95% Aluminum Braid 10.5 Ω/Mft.	Black PVC		16.20	53.15	85	75	1	0.26
		0.177	4.50		0.267	6.78					10	0.81

# RG 6/U Type

**Product Construction:**

**Conductors:**

- Copper-clad steel per ASTM B-869

**Insulation/Core:**

- Solid and foam polyethylene (PE) designs

**Shield:**

- Tinned, 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:**

- CATV
- MATV
- HDTV
- Digital video
- Direct burial
- See Coax Connector Cross Reference, pages 185-192








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>C5888</b> RG 6/U Type Riser UL CL2R, CATVR, CMR c(UL) CMR 	18 Ga. Solid Copper-Clad Steel 28.9 Ω/Mft.	Foam PE		100% Flexfoil® Bonded +95% Aluminum Braid 6.3 Ω/Mft.	Black PVC		16.20	53.15	85	75	1	0.26
		0.177	4.50		0.267	6.78					10	0.81
<b>C5785</b> RG 6/U Type Quad-Shield UL CL2, CATV, CM c(UL) CM 	18 Ga. Solid Copper-Clad Steel 28.9 Ω/Mft.	Foam PE		(2) 100% Flexfoil® 1st Bonded (1) 60% (2) 40% Aluminum Braids 3.7 Ω/Mft.	Black PVC		16.20	53.15	85	75	1	0.26
		0.177	4.50		0.292	7.42					10	0.81
<b>C5889</b> RG 6/U Type Riser Quad-Shield UL CL2R, CATVR, CMR c(UL) CM 	18 Ga. Solid Copper-Clad Steel 28.9 Ω/Mft.	Foam PE		(2) 100% Flexfoil® 1st Bonded (1) 60% (2) 40% Aluminum Braids 3.7 Ω/Mft.	Black PVC		16.20	53.15	85	75	1	0.26
		0.177	4.50		0.292	7.42					10	0.81
<b>C5777</b> RG 6/U Type UL CL2, CATV, CM c(UL) CM 	18 Ga. Solid Copper-Clad Steel 28.9 Ω/Mft.	Foam PE		100% Flexfoil® Bonded +61% Tinned Copper Braid 6.5 Ω/Mft.	Black PVC		16.20	53.15	85	75	1	0.26
		0.177	4.50		0.267	6.78					10	0.81
<b>C5802</b> RG 6/U Type Messengered, Self-Supporting 	18 Ga. Solid Copper-Clad Steel 28.9 Ω/Mft.	Foam PE		100% Flexfoil® Bonded +60% Aluminum Braid 9.0 Ω/Mft.	Black PVC		16.20	53.15	85	75	1	0.26
		0.180	4.57		0.270	6.86					10	0.81
<b>C5804</b> RG 6/U Type MoistureGuard™ Direct Burial, Flooded  FlexFill®	18 Ga. Solid Copper-Clad Steel 28.9 Ω/Mft.	Foam PE		100% Flexfoil® Bonded +60% Aluminum Braid w/water block 9.0 Ω/Mft.	Black PE		16.20	53.15	85	75	1	0.26
		0.180	4.57		0.270	6.86					10	0.81
<b>C5810</b> RG 6/U Type Special Applications MATV Cable 	21 Ga. Solid Copper-Clad Steel 32.0 Ω/Mft.	Solid PE		(2) Bare Copper 95% Braids 1.1 Ω/Mft.	Black PE		20.50	67.26	66	75	1	0.40
		0.185	4.70		0.332	8.43					10	0.80

Figure 8. Contains .051" galvanized steel messenger wire.

# RG 6/U Type

**Product Construction:**

**Conductors:**

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

**Insulation/Core:**

- Foam polyethylene (PE) design

**Shield:**

- Tinned copper or aluminum braid
- Flexfoil® shield

**Jacket:**







- Premium PVC compound

**Packaging:**

- Please contact Customer Service for packaging and color options

**Applications:**

- LAN cable
- HDTV
- Digital video
- Direct broadcast satellite
- See Coax Connector Cross Reference, pages 185-192

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>C5812</b> RG 6/U Type LAN Cable IEEE 802.4 MA Type UL CL2, CATV, CM c(UL) CM 	18 Ga. Solid Copper-Clad Steel 28.9 Ω/Mft.	Foam PE		100% Flexfoil® Bonded +77% Aluminum Braid 100% Flexfoil® 5.4 Ω/Mft.	Black PVC		16.20	53.15	85	75	1	0.26
		0.177	4.50		0.290	7.37					10	0.81
<b>C5814</b> RG 6/U Type Digital Video/HDTV UL CL2, CATV, CM c(UL) CM 	18 Ga. Solid Bare Copper 6.5 Ω/Mft.	Foam PE		100% Flexfoil® +95% Tinned Copper Braid 2.7 Ω/Mft.	Black PVC		16.20	53.15	85	75	1	0.20
		0.180	4.57		0.270	6.86					10	0.72
<b>C5822</b> RG 6/U Dual-Type DBS UL CL2, CATV, CM c(UL) CM 	18 Ga. Solid Copper-Clad Steel 28.9 Ω/Mft.	Foam PE		100% Flexfoil® Bonded +60% Aluminum Braid 9.0 Ω/Mft.	Black PVC		16.20	53.15	85	75	1	0.26
		0.180	4.57		0.267	6.86					10	0.81
<b>C5890</b> RG 6/U Dual-Type DBS Riser UL CL2R, CATVR, CMR c(UL) CMR 	18 Ga. Solid Copper-Clad Steel 28.9 Ω/Mft.	Foam PE		100% Flexfoil® Bonded +60% Aluminum Braid 9.0 Ω/Mft.	Black PVC		16.20	53.15	85	75	1	0.26
		0.180	4.57		0.270	6.86					10	0.81
<b>C5824</b> RG 6/U Type DBS w/Ground UL CL2, CATV, CM c(UL) CM  Contains 17 AWG (.045") CCS ground wire	18 Ga. Solid Bare Copper 6.5 Ω/Mft.	Foam PE		100% Flexfoil® Bonded +60% Aluminum Braid 9.0 Ω/Mft.	Black PVC		16.20	53.15	85	75	1	0.26
		0.180	4.57		0.270	6.86					10	0.81
<b>C5826</b> RG 6/U Dual-Type BS w/Ground UL CL2, CATV, CM c(UL) CM  Contains 17 AWG (.045") CCS ground wire	18 Ga. Solid Bare Copper 6.5 Ω/Mft.	Foam PE		100% Flexfoil® Bonded +60% Aluminum Braid 9.0 Ω/Mft.	Black PVC		16.20	53.15	85	75	1	0.26
		0.180	4.57		0.270	6.86					10	0.81



# RG 6/U Type

**Product Construction:**

**Conductors:**

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

**Insulation/Core:**

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

**Shield:**

- Tinned copper or aluminum braid
- Flexfoil® shield

**Jacket:**








- Premium-grade PVC compound

**Packaging:**

- Please contact Customer Service for packaging and color options

**Applications:**

- Suitable for RF signal transmission
- CATV
- CCTV†
- DBS
- Drop cable
- FM broadcast
- HDTV
- Digital video
- See Coax Connector Cross Reference, pages 185-192

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>C5778</b> RG 6/U Type UL CL2, CATV, CM c(UL) CM 	18 Ga. Solid Bare Copper 6.5 Ω/Mft.	Foam PE		100% Flexfoil® Bonded +61% Tinned Copper Braid 6.5 Ω/Mft.	Black PVC		16.20	53.15	85	75	1	0.26											
		0.177	4.50		0.267	6.78					10	0.81	50	1.46	100	2.05	200	2.83	500	4.53	1000	6.59	1450
<b>C3523</b> RG 6/U Type Plenum UL CL2P, CMP c(UL) CMP 	18 Ga. Solid Bare Copper 6.5 Ω/Mft.	Fluoropolymer		100% Flexfoil® +61% Tinned Copper Braid 2.3 Ω/Mft.	Flexguard® PVC Natural		16.40	52.50	86	75	1	0.30											
		0.170	4.32		0.226	5.74					10	0.66	50	1.50	100	2.10	200	3.10	500	5.00	1000	7.30	
<b>C3521</b> RG 6/U Type Plenum UL CL2P, CMP c(UL) CMP 	18 Ga. Solid Bare Copper 6.5 Ω/Mft.	Fluoropolymer		100% Flexfoil® +95% Tinned Copper Braid 2.3 Ω/Mft.	Flexguard® PVC Natural		16.00	52.50	86	75	1	0.30											
		0.170	4.32		0.233	5.92					10	0.66	50	1.50	100	2.10	200	3.10	500	5.00	1000	7.30	
<b>C3524</b> RG 6/U Type Plenum UL CL2P, CMP c(UL) CMP 	18 Ga. Solid Copper-Clad Steel 28.6 Ω/Mft.	Fluoropolymer		100% Flexfoil® +60% Aluminum Braid 9.0 Ω/Mft.	Flexguard® PVC Natural		16.00	52.50	86	75	1	0.30											
		0.170	4.32		0.226	5.74					10	0.66	50	1.50	100	2.10	200	3.10	500	5.00	1000	7.30	2300
<b>C3525</b> RG 6/U Type Quad Shield Plenum UL CL2P, CMP c(UL) CMP 	18 Ga. Solid Copper-Clad Steel 28.6 Ω/Mft.	Fluoropolymer		(2) 100% Flexfoil® (1) 60% (2) 40% Aluminum Braids 5.3 Ω/Mft.	Flexguard® PVC Natural		16.00	52.50	86	75	1	0.30											
		0.170	4.32		0.226	5.74					10	0.66	50	1.50	100	2.10	200	3.10	500	5.00	1000	7.30	2300
<b>C8029†</b> RG 6/U Type +18 AWG Unshielded Pair UL CL2, CATV, CM c(UL) CM 	18 Ga. Solid Bare Copper Coax  18 AWG (7/26) Unshielded Pair	Foam PE		100% Flexfoil® 95% Tinned Copper Braid 1.9 Ω/Mft.	Black PVC		16.20	53.15	85	75	1	0.20											
		0.177	4.50		0.270	6.86					10	0.72	50	1.48	100	2.01	200	2.70	500	4.46	1000	6.53	
		Premium PVC			0.493	12.52																	
<b>C8031†</b> RG 6/U Type +18 AWG Unshielded Pair UL CMP c(UL) CMP 	18 AWG Solid Bare Copper Coax  18 AWG (7/26) Unshielded Pair	Fluoropolymer		95% Bare Copper Braid 3.5 Ω/Mft.	Natural PVC		16.30	53.48	86	75	1	0.30											
		0.170	0.432		0.232	5.89					10	0.66	50	1.50	100	2.10	200	3.10	500	5.00	1000	7.30	
		Halar			0.416	10.57																	
		0.006	0.15	Unshielded Pair																			

# RG 6/U Type

**Product Construction:**

**Conductors:**

- Copper per ASTM B-3

**Insulation/Core:**

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

**Shield:**

- Bare or tinned copper aluminum braid
- Flexfoil® shield

**Jacket:**





- Premium-grade PVC compound or premium-grade fluoropolymer

**Packaging:**

- Please contact Customer Service for packaging and color options

**Applications:**

- Broadcast grade headend
- Serial Digital Interface (SDI)
- CATV
- CCTV†
- DBS
- Drop cable
- HDTV
- Digital video
- See Coax Connector Cross Reference, pages 185-192

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>395014</b> RG 6/U Type Quad Shield UL CMR c(UL) CMG 	18 Ga. Solid Bare Copper 6.5 Ω/Mft.	Foam PE		(2) 100% Flexfoil® 1st Bonded (1) 60% (2) 40% Aluminum Braids 5.3 Ω/Mft.	Flame-Retardant PVC		16.20	53.20	83	75	1	0.21
		0.180	4.57		0.305	7.75					10	0.76
<b>395011</b> UL CMR c(UL) CMG 	18 Ga. Solid Bare Copper 6.5 Ω/Mft.	Foam PE		Dual Foil + 95% Tinned Copper Braid Shield 2.8 Ω/Mft.	Flame-Retardant PVC		16.20	53.10	83	75	1	0.24
		0.180	4.57		0.272	6.91					3.6	0.45
<b>495024</b> RG 6/U Type Quad Shield UL CMP c(UL) CMP 	18 Ga. Solid Bare Copper 6.5 Ω/Mft.	Fluoropolymer		(2) 100% Flexfoil® (1) 60% (2) 40% Aluminum Braids 5.3 Ω/Mft.	Flexguard® PVC Natural		15.50	50.80	84	75	1	0.26
		0.170	4.32		0.264	6.71					10	0.70
<b>395056†</b> RG 6/U Type UL CM c(UL) CMG 	18 Ga. Solid Bare Copper 6.7 Ω/Mft.	Foam PE		95% Bare Copper Braid 2.0 Ω/Mft.	Flame-Retardant PVC		16.30	53.40	83	75	1	0.19
		0.180	4.57		0.272	6.91					10	0.65

# RG 6/U Precision, Riser, Plenum Rated

## Product Construction:

### Conductors:

- Copper per ASTM B-3

### Insulation/Core:

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

### Shield:

- Bare or tinned copper aluminum braid
- Flexfoil® shield

### Jacket:




- Premium-grade PVC compound or premium-grade fluoropolymer

### Packaging:

- Please contact Customer Service for packaging and color options

## Applications:

- Broadcast grade headend
- Serial Digital Interface (SDI)
- CATV
- CCTV†
- DBS
- Drop cable
- HDTV
- Digital video
- See Coax Connector Cross Reference, pages 185-192

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'
495035† UL CMP c(UL) CMG 	18 Ga. Solid Bare Copper 6.7 Ω/Mft.	Fluoropolymer		95% Bare Copper Braid 2.0 Ω/Mft.	Plenum PVC		16.20	52.50	84	75	1	0.21
		0.170	4.32		0.237	6.02					10	0.65
495036† UL CMP c(UL) CMG 	18 Ga. Solid Bare Copper 6.7 Ω/Mft.	Fluoropolymer		95% Bare Copper Braid 2.0 Ω/Mft.	PVDF		16.10	53.00	84	75	1	0.21
		0.170	4.32		0.237	6.02					10	0.65
495025 UL CMP c(UL) CMP 	18 Ga. Solid Bare Copper 6.5 Ω/Mft.	Fluoropolymer		Dual Foil + 95% Tinned Copper Braid Shield 2.8 Ω/Mft.	Plenum PVC		16.10	53.00	84	75	1	0.24
		0.170	4.32		0.237	6.02					3.6	0.45
											135	2.40
											270	2.75
											540	4.00
											1500	6.36
											2250	11.60
											3000	13.70

# RG 6/U Multi-Channel Digital/Precision, Riser Rated

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

**Product Construction:**

**Conductors:**

- Copper per ASTM B-3

**Insulation/Core:**

- Foam polyethylene (PE) design

**Shield:**

- Dual Flexfoil® shield
- Tinned copper braid

**Jacket:**




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

**Packaging:**

- Please contact Customer Service for packaging and color options

**Applications:**

- Analog/Digital Video Broadcast-Grade Monitor
- HDTV
- See Coax Connector Cross Reference, pages 185-192

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>395011-3</b> <b>UL CMR</b> <b>c(UL) CMG</b> 	18 Ga. 3/Cond. Solid Bare Copper 6.5 Ω/Mft.	Foam PE		Bi-Metal Foil + 95% Tinned Copper Braid Shield (2.8 Ohm)	Inner: Flame-Retardant PVC Outer: TPE matte		16.20	53.20	83	75	1	0.24	
		0.180	4.57		0.685	17.40					3.6	0.45	71.5
<b>395011-4</b> <b>UL CMR</b> <b>c(UL) CMG</b> 	18 Ga. 4/Cond. Solid Bare Copper 6.5 Ω/Mft.	Foam PE		Bi-Metal Foil + 95% Tinned Copper Braid Shield (2.8 Ohm)	Inner: Flame-Retardant PVC Outer: TPE matte		16.20	53.20	83	75	1	0.24	
		0.180	4.57		0.755	19.18					3.6	0.45	71.5
<b>395011-5</b> <b>UL CMR</b> <b>c(UL) CMG</b> 	18 Ga. 5/Cond. Solid Bare Copper 6.5 Ω/Mft.	Foam PE		Bi-Metal Foil + 95% Tinned Copper Braid Shield (2.8 Ohm)	Inner: Flame-Retardant PVC Outer: TPE matte		16.20	53.20	83	75	1	0.24	
		0.180	4.57		0.860	21.85					3.6	0.45	71.5