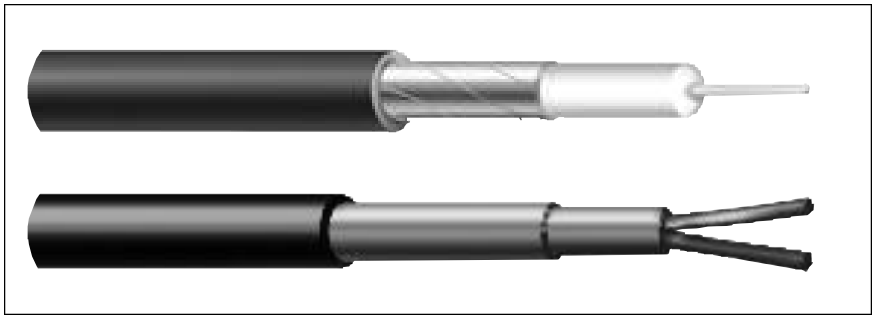
Coaxial Cable 5



To meet the needs of today's sophisticated, high speed, wide bandwidth electronics, over long distances, with minimum signal loss or degradation, BICCGeneral Carol® Brand offers a wide range of coaxial and twinaxial designs in both unbalanced arrays and precision balanced pairs. This offers the system designer a wide choice of cost effective products that reflect the most recent changes in the standards set by UL, CSA and/or the FCC.

Included in this section are recommended Carol® Brand coaxial products for the CATV market. However, these constructions may differ in certain parts of the country.

Unlike other products in the electronic market, coaxial cable does not have one accepted standard construction.

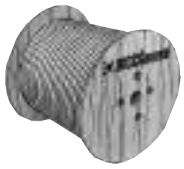
BICCGeneral recommends, in order to avoid installing an unacceptable coaxial cable for the CATV application in your area, the local CATV company should be consulted.

BICCGeneral's Carol® Brand product mix encompasses standard RG/U-type coaxial constructions in the more popular 50, 75 and 93 ohm designs and miniature coaxial products for smaller high speed applications.

The twinaxial products meet or exceed the stringent demands of today's precision balanced pair systems. The minimization of capacitance unbalance is a necessary requirement for long distance data transmission.

Spools

Reels



Pull-Pac® Cartons

Spool-Pac® Cartons

RG 6/U Type

Product Construction:

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

Insulation/Core:
- Cellular polyethylene

Shield:
- Bare copper or aluminum braid
- Flexfoil® shield

Jacket:
- Premium PVC compound

Packaging:
- 1000' (305 m) Reels
- 1000' (305 m) Pull-Pac® Cartons
- Other put-ups available – consult Customer Service

Applications:
- Suitable for RF signal transmission
- MATV
- CATV
- CCTV
- Local area network
- Drop cable
- FM broadcast
- See Coaxial Cable Product Finder, page 175-176

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'
C5760 **RG 6/U Type**	18 Ga. Solid Copper Clad Steel 28.9 Ω/M	Cellular Polyethylene 0.180	4.57	100% Flexfoil® 30 Ga. CCS Spiral Served Shield 2.5 Ω/M	Black PVC 0.240	6.10	16.20	53.15	85	75	1 10 50 100 200 500 1000	0.26 0.81 1.46 2.05 2.83 4.53 6.59
C5761 **RG 6/U Type** **CCTV** **NEC CL2, CATV, CM** **CEC CM**	18 Ga. Solid Bare Copper 6.5 Ω/M	Cellular Polyethylene 0.180	4.57	100% Flexfoil® +95% Bare Copper Braid 2.6 Ω/M	Black PVC 0.270	6.86	16.20	53.15	85	75	1 10 50 100 200 500 1000	0.26 0.81 1.46 2.05 2.83 4.53 6.59
C5774 **RG 6/U Type** **NEC CL2, CATV, CM** **CEC CM**	18 Ga. Solid Copper Clad Steel 28.9 Ω/M	Cellular Polyethylene 0.177	4.50	100% Flexfoil® Bonded +40% Aluminum Braid 10.5 Ω/M	Black PVC 0.267	6.78	16.20	53.15	85	75	1 10 50 100 200 500 1000	0.26 0.81 1.46 2.05 2.83 4.53 6.59
C5775 **RG 6/U Type** **NEC CL2, CATV, CM** **CEC CM**	18 Ga. Solid Copper Clad Steel 28.9 Ω/M	Cellular Polyethylene 0.177	4.50	100% Flexfoil® Bonded +60% Aluminum Braid 9.0 Ω/M	Black PVC 0.263	6.68	16.20	53.15	85	75	1 10 50 100 200 500 1000	0.26 0.81 1.46 2.05 2.83 4.53 6.59
C5776 **RG 6/U Type** **NEC CL2, CATV, CM** **CEC CM**	18 Ga. Solid Copper Clad Steel 28.9 Ω/M	Cellular Polyethylene 0.177	4.50	100% Flexfoil® Bonded +95% Aluminum Braid 4.4 Ω/M	Black PVC 0.267	6.78	16.20	53.15	85	75	1 10 50 100 200 500 1000	0.26 0.81 1.46 2.05 2.83 4.53 6.59
C5785 **RG 6/U Type** **Quad-Shield** **NEC CL2, CATV, CM** **CEC CM**	18 Ga. Solid Copper Clad Steel 28.9 Ω/M	Cellular Polyethylene 0.177	4.50	(2) 100% Flexfoil® 1st Bonded (1) 60% (1) 40% Aluminum Braids 3.7 Ω/M	Black PVC 0.292	7.42	16.20	53.15	85	75	1 10 50 100 200 500 1000	0.26 0.81 1.46 2.05 2.83 4.53 6.59

RG 6/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 or PE compound

Packaging:
- 1000' (305 m) Reels
- 1000' (305 m) Pull-Pac® Cartons
- Other put-ups available – consult Customer Service

Applications:
- CATV
- MATV
- LAN cable
- Digital video
- Direct burial
- See Coaxial Cable Product Finder, page 175-176

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'
C5777 **RG 6/U Type** **NEC CL2, CATV, CM** **CEC CM**	18 Ga. Solid Copper Clad Steel 28.9 Ω/M	Cellular Polyethylene 0.177	4.50	100% Flexfoil® Bonded +61% Tinned Copper Braid 6.5 Ω/M	Black PVC 0.260	6.60	16.20	53.15	85	75	1 10 50 100 200 500 1000	0.26 0.81 1.46 2.05 2.83 4.53 6.59
C5802 **RG 6/U Type** **Messengered,** **Self-Supporting**	18 Ga. Solid Copper Clad Steel 28.9 Ω/M	Cellular Polyethylene 0.180	4.57	100% Flexfoil® Bonded +60% Aluminum Braid 9.0 Ω/M	Black PVC 0.270 X 0.428	6.86 X 10.87	16.20	53.15	85	75	1 10 50 100 200 500 1000	0.26 0.81 1.46 2.05 2.83 4.53 6.59
Figure 8. Contains 0.051" galvanized steel messenger wire.												
C5804 **RG 6/U Type** **MoistureGuard™** **Direct Burial, Flooded** FlexFill®	18 Ga. Solid Copper Clad Steel 28.9 Ω/M	Cellular Polyethylene 0.180	4.57	100% Flexfoil® Bonded +60% Aluminum Braid w/ water block 9.0 Ω/M	Permaline® Black, Orange PE 0.270	6.86	16.20	53.15	85	75	1 10 50 100 200 500 1000	0.26 0.81 1.46 2.05 2.83 4.53 6.59
C5810 **RG 6/U Type** **Special Applications** **MATV Cable**	21 Ga. Solid Copper Clad Steel 32.0 Ω/M	Solid Polyethylene 0.185	4.70	(2) Bare Copper 95% Braids 1.1 Ω/M	Permaline® Black PE 0.332	8.43	20.50	67.26	66	75	1 10 50 100 200 500 1000	0.40 0.80 1.90 2.70 4.10 6.60 9.80
C5812 **RG 6/U Type** **LAN Cable** **IEEE 802.4 MAP Type** **NEC CL2, CATV, CM** **CEC CM**	18 Ga. Solid Copper Clad Steel 28.9 Ω/M	Cellular Polyethylene 0.177	4.50	100% Flexfoil® Bonded +77% Aluminum Braid +100% Flexfoil® 5.4 Ω/M	Black PVC 0.290	7.37	16.20	53.15	85	75	1 10 50 100 200 500 1000	0.26 0.81 1.46 2.05 2.83 4.53 6.59
C5814 **RG 6/U Type** **Digital Video** **NEC CL2, CATV, CM** **CEC CM**	18 Ga. Solid Bare Copper 6.5 Ω/M	Cellular Polyethylene 0.180	4.57	100% Flexfoil® +95% Tinned Copper Braid 2.7 Ω/M	Black PVC 0.270	6.86	16.20	53.15	85	75	1 10 50 100 200 500 1000	0.20 0.72 1.48 2.01 2.79 4.46 6.53

RG 6/U Type

Product Construction:

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

Insulation/Core:
- Cellular polyethylene design
- Cellular FEP design

Shield:
- Tinned copper or aluminum braid
- Flexfoil® shield

Jacket:
- Premium PVC compound

Packaging:
- 1000' (305 m) Reels
- 1000' (305 m) Pull-Pac® Cartons
- Other put-ups available – consult Customer Service

Applications:
- LAN cable
- Digital video
- Direct broadcast satellite
- See Coaxial Cable Product Finder, page 175-176

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'
C5820 **RG 6/U Type** **DBS** **NEC CL2, CATV, CM** **CEC CM**	18 Ga. Solid Copper Clad Steel 28.9 Ω/M	Cellular Polyethylene 0.177	4.50	100% Flexfoil® Bonded +60% Aluminum Braid 9.0 Ω/M	Black PVC 0.267	6.78	16.20	53.15	85	75	1 10 50 100 200 500 1000 1450 1800 2200	0.26 0.81 1.46 2.05 2.83 4.53 6.59 8.10 8.80 10.10
C5822 **RG 6/U Dual-Type** **DBS** **NEC CL2, CATV, CM** **CEC CM**	18 Ga. Solid Copper Clad Steel 28.9 Ω/M	Cellular Polyethylene 0.180	4.57	100% Flexfoil® Bonded +60% Aluminum Braid 9.0 Ω/M	Black PVC 0.270 X 0.595	6.86 X 15.11	16.20	53.15	85	75	1 10 50 100 200 500 1000 1450 1800 2200	0.26 0.81 1.46 2.05 2.83 4.53 6.59 8.10 8.80 10.10
C5824 **RG 6/U Type** **DBS w/Ground** **NEC CL2, CATV, CM** **CEC CM**	18 Ga. Solid Bare Copper 6.5 Ω/M	Cellular Polyethylene 0.180	4.57	100% Flexfoil® Bonded +60% Aluminum Braid 9.0 Ω/M	Black PVC 0.270 X 0.410	6.86 X 10.41	16.20	53.15	85	75	1 10 50 100 200 500 1000 1450 1800 2200	0.26 0.81 1.46 2.05 2.83 4.53 6.59 8.10 8.80 10.10
Contains 17 AWG (.045") CCS ground wire.												
C5826 **RG 6/U Dual-Type** **DBS w/ Ground** **NEC CL2, CATV, CM** **CEC CM**	18 Ga. Solid Bare Copper 6.5 Ω/M	Cellular Polyethylene 0.180	4.57	100% Flexfoil® Bonded +60% Aluminum Braid 9.0 Ω/M	Black PVC 0.270 X 0.720	6.86 X 17.86	16.20	53.15	85	75	1 10 50 100 200 500 1000 1450 1800 2200	0.26 0.81 1.46 2.05 2.83 4.53 6.59 8.10 8.80 10.10
Contains 17 AWG (.045") CCS ground wire.												
C3523 **RG 6/U Type** **Plenum** **NEC CL2P, CMP** **CEC CMP**	18 Ga. Solid Bare Copper 6.5 Ω/M	Cellular FEP 0.170	4.318	100% Flexfoil® +61% Tinned Copper Braid 2.3 Ω/M	Flexguard® PVC Natural 0.226	5.74	16.40	52.50	82	75	1 10 50 100 200 500 1000	0.80 1.40 2.10 3.00 4.20 6.20 9.40
C3521 **RG 6/U Type** **Plenum** **NEC CL2P, CMP** **CEC CMP**	18 Ga. Solid Bare Copper 6.5 Ω/M	Cellular FEP 0.170	4.318	100% Flexfoil® +95% Tinned Copper Braid 2.3 Ω/M	Flexguard® PVC Natural 0.233	5.92	16.00	52.50	86	75	1 10 50 100 200 500 1000	0.30 0.66 1.50 2.10 3.10 5.00 7.30

RG 7/U Type

Product Construction:

Conductors:
- Copper clad steel per ASTM B-869

Insulation/Core:
- Cellular polyethylene

Shield:
- Aluminum braid
- Flexfoil® shield

Jacket:
- Premium grade PVC compound or PE compound

Packaging:
- 1000' (305 m) Reels
- 1000' (305 m) Pull-Pac® Cartons
- Other put-ups available – consult Customer Service

Applications:
- Suitable for RF signal transmission
- MATV
- CATV
- Local area network
- Drop cable
- FM broadcast
- Direct Burial
- See Coaxial Cable Product Finder, page 175-176

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'
C5851 **RG 7/U Type** **NEC CL2, CATV, CM** **CEC CM**	16 Ga. Solid Copper Clad Steel 18.2 Ω/M	Cellular Polyethylene 0.225	5.72	100% Flexfoil® Bonded +61% Aluminum Braid 5.6 Ω/M	Black PVC 0.341	8.66	16.20	53.15	85	75	1 10 50 100 200 500 1000	0.35 0.77 1.12 1.59 2.28 3.67 5.26
C5853 **RG 7/U Type** **MoistureGuard™** **Direct Burial, Flooded**	16 Ga. Solid Copper Clad Steel 18.2 Ω/M	Cellular Polyethylene 0.225	5.72	100% Flexfoil® Bonded +61% Aluminum Braid 5.6 Ω/M	Permaline® Orange, Black PE 0.322	8.18	16.20	53.15	85	75	1 10 50 100 200 500 1000	0.35 0.77 1.12 1.59 2.28 3.67 5.26
C5856 **RG 7/U Type** **Tri-Shield** **NEC CL2, CATV, CM** **CEC CM**	16 Ga. Solid Copper Clad Steel 18.2 Ω/M	Cellular Polyethylene 0.225	5.72	100% Flexfoil® Bonded +61% Aluminum Braid 100% Flexfoil® 4.5 Ω/M	Black PVC 0.341	8.66	16.20	53.15	85	75	1 10 50 100 200 500 1000	0.35 0.77 1.12 1.59 2.28 3.67 5.26
C5857 **RG 7/U Type** **Quad-Shield** **NEC CL2, CATV, CM** **CEC CM**	16 Ga. Solid Copper Clad Steel 18.2 Ω/M	Cellular Polyethylene 0.225	5.72	(2) 100% Flexfoil® 1st Bonded (1) 60% (1) 40% Aluminum Braids 3.4 Ω/M	Black PVC 0.360	9.14	16.20	53.15	85	75	1 10 50 100 200 500 1000	0.35 0.77 1.12 1.59 2.28 3.67 5.26

RG 8/U Type

Product Construction:

Conductors:
- Copper per ASTM B-3

Insulation/Core:
- Solid and cellular polyethylene designs

Shield:
- Tinned or bare copper braid
- Flexfoil® shield

Jacket:
- Premium PVC compound

Packaging:
- 1000' (305 m) Reels
- 1000' (305 m) Pull-Pac® Cartons
- Other put-ups available – consult Customer Service

Applications:
- Suitable for RF signal transmission
- Broadcast
- Citizen band antenna
- See Coaxial Cable Product Finder, page 175-176

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'
C1108 **RG 8/U Mini Type** **NEC CL2, CM** **CEC CM** **1354**	16 Ga. (19x28) Bare Copper 4.2 Ω/M	Cellular Polyethylene		95% Bare Copper Braid 3.3 Ω/M	Black PVC		25.30	83.01	80	50	1 10 50 100 200 500 1000	0.26 0.98 2.30 3.30 4.90 8.50 14.30
		0.155	3.94		0.242	6.15						
C1154 **RG 8/U Type** **JAN-C-17A Type** **1354**	13 Ga. (7X21) Bare Copper 1.9 Ω/M	Solid Polyethylene		95% Bare Copper Braid 1.2 Ω/M	Black PVC		29.50	96.79	66	52	1 10 50 100 200 500 1000	0.16 0.56 1.30 1.90 2.80 4.70 7.40
		0.285	7.24		0.405	10.29						
C1198 **RG 8/U Type** **1354**	11 Ga. (19X24) Bare Copper 1.9 Ω/M	Cellular Polyethylene		95% Bare Copper Braid 1.1 Ω/M	Black PVC		26.00	85.31	78	50	1 10 50 100 200 500 1000	0.17 0.57 1.20 1.80 2.70 4.70 7.10
		0.285	7.24		0.405	10.29						
C1180 **RG 8/U Type**	9 1/2 Ga. Solid Bare Copper 0.90 Ω/M	Semi-Solid Polyethylene		100% Flexfoil® Bonded +88% Tinned Copper Braid 1.8 Ω/M	Black PVC		24.60	80.71	84	50	1 10 50 100 200 500 1000	0.13 0.40 0.90 1.30 1.80 3.00 4.50
		0.285	7.24		0.405	10.29						

RG 11/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 or aluminum braid
- Flexfoil® shield

Jacket:
- Premium PVC compound or PE compound

Packaging:
- 1000' (305 m) Reels
- 1000' (305 m) Pull-Pac® Cartons
- Other put-ups available – consult Customer Service

Applications:
- Suitable for RF signal transmission
- MATV
- CATV
- Drop Cable
- CCTV
- See Coaxial Cable Product Finder, page 175-176

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'
C1160 **RG 11/U Type** **JAN-C-17A Type**	18 Ga. (7X26) Tinned Copper 6.1 Ω/M	Solid Polyethylene 0.285	7.24	95% Bare Copper Braid 1.2 Ω/M	Black PVC 0.400	10.16	20.50	67.26	66	75	1 10 50 100 200 500 1000	0.20 0.70 1.30 2.00 2.90 4.70 7.10
C5011 **RG 11/U Type** **CCTV** **NEC CL2, CATV, CM** **CEC CM**	14 Ga. Solid Bare Copper 2.5 Ω/M	Cellular Polyethylene 0.280	7.11	100% Flexfoil® +95% Bare Copper Braid 1.2 Ω/M	Black PVC .395	10.03	16.20	53.15	85	75	1 10 50 100 200 500 1000	0.13 0.40 0.90 1.30 1.90 3.00 4.40
C5025 **RG 11/U Type**	14 Ga. Solid Copper Clad Steel 11.4 Ω/M	Cellular Polyethylene 0.285	7.24	97% Bare Copper Braid 1.2 Ω/M	Permaline® Black PE 0.405	10.29	16.20	53.15	83	75	1 10 50 100 200 500 1000	0.30 0.70 1.00 1.50 2.20 3.70 5.30
C5034 **RG 11/U Type** **1354**	14 Ga. Solid Copper Clad Steel 11.4 Ω/M	Cellular Polyethylene 0.280	7.11	100% Flexfoil® Bonded +40% Aluminum Braid 5.3 Ω/M	Black PVC 0.395	10.03	16.20	53.15	85	75	1 10 50 100 200 500 1000	0.30 0.70 0.90 1.30 1.90 3.00 4.40
C5039 **RG 11/U Type** **NEC CL2, CATV, CM** **CEC CM** **1354**	14 Ga. Solid Copper Clad Steel 11.4 Ω/M	Cellular Polyethylene 0.280	7.11	100% Flexfoil® Bonded +60% Aluminum Braid 4.6 Ω/M	Black PVC 0.395	10.03	16.20	53.15	85	75	1 10 50 100 200 500 1000	0.30 0.70 0.90 1.30 1.90 3.00 4.40
C5044 **RG 11/U Type** **Quad-Shield** **1354**	14 Ga. Solid Copper Clad Steel 11.4 Ω/M	Cellular Polyethylene 0.280	7.11	(2) 100% Flexfoil® 1st Bonded (1) 61% (1) 40% Aluminum Braids 3.4 Ω/M	Black PVC 0.405	10.29	16.20	53.15	85	75	1 10 50 100 200 500 1000	0.30 0.70 0.90 1.30 1.90 3.00 4.40

RG 11/U Type

Product Construction:

Conductors:
- Copper clad steel per ASTM B-869

Insulation/Core:
- Cellular polyethylene designs

Shield:
- Tinned copper or aluminum braid
- Flexfoil® shield

Jacket:
- Premium PVC compound or PE compound

Packaging:
- 1000' (305 m) Reels
- 1000' (305 m) Pull-Pac® Cartons
- Other put-ups available – consult Customer Service

Applications:
- Suitable for RF signal transmission
- MATV
- CATV
- Drop Cable
- Direct Burial
- See Coaxial Cable Product Finder, page 175-176

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'
C5041 **RG 11/U Type** **Messengered, Self-Supporting**	14 Ga. Solid Copper Clad Steel 11.4 Ω/M	Cellular Polyethylene 0.280	7.11	100% Flexfoil® Bonded +60% Aluminum Braid 5.3 Ω/M	Black PVC 0.395 X 0.624	10.03 X 15.85	16.20	53.15	85	75	1 10 50 100 200 500 1000	0.30 0.70 0.90 1.30 1.90 3.00 4.40
Figure 8. Contains 0.083" galvanized steel messenger wire.												
C5043 **RG 11/U Type MoistureGuard™** **Direct Burial, Flooded**	14 Ga. Solid Copper Clad Steel 11.4 Ω/M	Cellular Polyethylene 0.280	7.11	100% Flexfoil® Bonded +60% Aluminum Braid w/ water block 5.3 Ω/M	Permaline® Black, Orange PE 0.395	10.03	16.20	53.15	85	75	1 10 50 100 200 500 1000	0.30 0.70 0.90 1.30 1.90 3.00 4.40
C5029 **RG 11/U Type** **NEC CL2, CM** **CEC CM**	14 Ga. Solid Copper Clad Steel 11.4 Ω/M	Cellular Polyethylene 0.280	7.11	100% Flexfoil® Bonded +61% Tinned Copper Braid 3.0 Ω/M	Black PVC 0.395	10.03	16.20	53.15	85	75	1 10 50 100 200 500 1000	0.30 0.70 0.90 1.30 1.90 3.00 4.40
C5027 **RG 11/U Triaxial Type**	14 Ga. Solid Copper Clad Steel 11.4 Ω/M	Cellular Polyethylene 0.285	7.24	(2) Bare Copper 97% braids w/ Black PE Wall Separator 1.6 Ω/M	Permaline® Black PE 0.475	12.07	16.20	53.15	83	75	1 10 50 100 200 500 1000	0.20 0.50 1.00 1.50 2.20 3.70 5.30

RG 58/U Type

Product Construction:

Conductors:
- Copper per ASTM B-3
- Tinned copper per ASTM B-33

Insulation/Core:
- Solid and cellular polyethylene designs
- Cellular FEP design

Shield:
- Tinned copper braid

Jacket:
- Premium PVC compound or PE compound

Packaging:
- 1000' (305 m) Reels
- 1000' (305 m) Pull-Pac® Cartons
- Other put-ups available – consult Customer Service

Applications:
- Suitable for RF signal transmission
- Broadcast
- See Coaxial Cable Product Finder, page 175-176

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'
C1117 **RG 58/U Type**	20 Ga. Solid Bare Copper 10.1 Ω/M	Solid Polyethylene 0.116	 2.95	70% Tinned Copper Braid 6.0 Ω/M	Black PVC 0.195	 4.95	28.50	93.51	66	53	1 10 50 100 200 500 1000	0.40 1.20 2.90 4.20 6.00 10.17 16.50
C1155 **RG 58C/U Type** **MIL-C-17G Type**	20 Ga. (19X.0071) Tinned Copper 10.8 Ω/M	Solid Polyethylene 0.116	 2.95	95% Tinned Copper Braid 4.3 Ω/M	Non-contaminating Black PVC 0.195	 4.95	30.80	101.05	66	50	1 10 50 100 200 500 1000	0.42 1.50 3.70 5.40 8.10 13.86 22.80
C1166 **RG 58/U Type** **JAN-C-17A Type** **1354**	20 Ga. Solid Bare Copper 10.1 Ω/M	Solid Polyethylene 0.116	 2.95	95% Tinned Copper Braid 4.3 Ω/M	Black PVC 0.195	 4.95	30.00	98.43	66	50	1 10 50 100 200 500 1000	0.40 1.20 2.90 4.20 6.00 10.17 16.50
C1178 **RG 58A/U Type** **JAN-C-17A Type** **1354**	20 Ga. (19X.0071) Tinned Copper 10.8 Ω/M	Solid Polyethylene 0.116	 2.95	95% Tinned Copper Braid 4.3 Ω/M	Black PVC 0.195	 4.95	31.80	104.34	66	50	1 10 50 100 200 500 1000	0.42 1.50 3.70 5.40 8.10 13.96 22.80
C5045 **RG 58/U Type**	20 Ga. Solid Bare Copper 10.1 Ω/M	Solid Polyethylene 0.102	 2.59	95% Tinned Copper Braid 4.3 Ω/M	Permaline® Black PE 0.195	 4.95	24.00	78.74	78	50	1 10 50 100 200 500 1000	0.40 1.20 2.90 4.20 6.00 10.17 16.50
C1188 **RG 58 A/U Type** **NEC CL2, CM** **CEC CM** **1354**	20 Ga. (19X32) Tinned Copper 9.5 Ω/M	Cellular Polyethylene 0.114	 2.90	95% Tinned Copper Braid 4.3 Ω/M	Black PVC 0.195	 4.95	26.00	85.31	78	50	1 10 50 100 200 500 1000	0.45 1.42 3.20 4.50 6.40 10.06 14.50
C3519 **RG 58/U Type** **Plenum** **NEC CL2P, CMP** **CEC CMP**	19 Ga. Solid Bare Copper 8.1 Ω/M	Cellular FEP 0.102	 2.59	95% Tinned Copper Braid 2.9 Ω/M	Flexguard® PVC Natural 0.161	 4.09	25.00	82.00	82	50	1 10 50 100 200 500 1000	0.40 1.30 2.80 3.90 6.00 9.50 13.50

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:
- 1000' (305 m) Reels
- 1000' (305 m) Pull-Pac® Cartons
- Other put-ups available – consult Customer Service

Applications:
- Suitable for RF signal transmission
- CATV
- MATV
- CCTV
- Local Area Network
- Citizen band radio
- Monitor/VDT Display
- See Coaxial Cable Product Finder, page 175-176

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 0.146	3.71	95% Bare Copper Braid 3.5 Ω/M	Permaline® Black PE 0.242	6.15	17.30	56.76	82	75	1 10 50 100 200 500 1000	0.26 0.82 1.80 2.60 3.70 6.00 8.80
C1104 **RG 59/U Type** **1354**	22 Ga. Solid Copper Clad Steel 73.4 Ω/M	Solid Polyethylene 0.146	3.71	95% Bare Copper Braid 2.6 Ω/M	Black PVC 0.242	6.15	20.50	67.26	66	73	1 10 50 100 200 500 1000	0.41 0.99 2.38 3.49 5.09 8.43 13.03
C1135 **RG 59/U Type** **NEC CL2, CATV, CM** **CEC CM** **1354**	22 Ga. Solid Copper Clad Steel 73.4 Ω/M	Cellular Polyethylene 0.146	3.71	95% Bare Copper Braid 2.6 Ω/M	Black PVC 0.242	6.15	16.30	53.48	78	80	1 10 50 100 200 500 1000	0.42 0.92 2.10 2.90 4.10 6.60 9.30
C1103 **RG 59/U Type** **CCTV** **NEC CL2, CATV, CM** **CEC CM** **1354**	22 Ga. (7X30) Bare Copper 14.8 Ω/M	Cellular Polyethylene 0.146	3.71	95% Bare Copper Braid 2.6 Ω/M	Black PVC 0.242	6.15	17.00	55.78	78	76	1 10 50 100 200 500 1000	0.26 0.91 2.09 3.00 4.33 7.03 10.64
C1142 **RG 59/U Type** **CCTV** **NEC CL2, CATV, CM** **CEC CM, AWM 1354**	20 Ga. Solid Bare Copper 10.1 Ω/M	Cellular Polyethylene 0.146	3.71	95% Bare Copper Braid 2.6 Ω/M	Black PVC 0.234	5.94	16.20	53.15	78	71	1 10 50 100 200 500 1000	0.25 0.78 1.97 2.79 3.97 6.35 9.15
C1106 **RG 59B/U Type** **MIL-C-17D Type** **1354**	23 Ga. Solid Copper Clad Steel 68.5 Ω/M	Solid Polyethylene 0.146	3.71	95% Bare Copper Braid 2.6 Ω/M	Non-Contaminating Black PVC 0.242	6.15	21.00	68.90	66	73	1 10 50 100 200 500 1000	0.44 1.02 2.44 3.55 5.18 8.59 13.56

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:
- 1000' (305 m) Reels
- 1000' (305 m) Pull-Pac® Cartons
- Other put-ups available – consult Customer Service

Applications:
- Suitable for RF signal transmission
- MATV
- Local Area Network
- Citizen band radio
- Monitor/VDT Display
- Analog Video
- Digital Video
- See Coaxial Cable Product Finder, page 175-176

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 0.146	3.71	70% Bare Copper Braid 4.5 Ω/M	Black PVC 0.242	6.15	22.00	72.18	66	73	1 10 50 100 200 500 1000	0.41 0.99 2.38 3.49 5.09 8.43 13.03
C1112 **RG 59/U Type**	22 Ga. Solid Copper Clad Steel 73.4 Ω/M	Cellular Polyethylene 0.146	3.71	70% Bare Copper Braid 4.5 Ω/M	Black PVC 0.242	6.15	16.30	53.48	78	80	1 10 50 100 200 500 1000	0.42 0.92 2.10 2.90 4.10 6.60 9.30
C8005 **RG 59/U Dual-Type** **NEC CL2, CM** **CEC CM** **20063**	23 Ga. Solid Copper Clad Steel 68.5 Ω/M	Solid Polyethylene 0.146	3.71	100% Flexfoil® +95% Tinned Copper Braid 2.9 Ω/M	Black PVC 0.242 X 0.498	6.15 X 12.65	21.00	68.90	66	73	1 10 50 100 200 500 1000	0.44 1.02 2.44 3.55 5.18 8.59 13.56
C5834 **RG 59/U Dual-Type** **NEC CL2, CATV, CM** **CEC CM** **20999**	20 Ga. Solid Copper Clad Steel 45.9 Ω/M	Cellular Polyethylene 0.146	3.71	100% Flexfoil® Bonded +67% Aluminum Braid 9.7 Ω/M	Black PVC 0.242 X 0.498	6.15 X 12.65	16.20	53.15	85	75	1 10 50 100 200 500 1000	0.60 1.20 1.95 2.70 3.70 5.70 8.12
C5816 **RG 59/U Type** **Analog Video** **Digital Video**	20 Ga. Solid Bare Copper 11.1 Ω/M	Solid Polyethylene 0.198	5.03	97% Tinned Copper Double Braid 1.2 Ω/M	Black PVC 0.305	7.75	21.00	68.90	66	75	1 10 50 100 200 500 1000	0.25 0.78 1.70 2.50 3.70 5.90 9.20
C5836 **RG 59/U Type** **Analog Video** **NEC CL2X, CMX** **CEC CMH** **1354**	22 Ga. Solid Copper Clad Steel 73.4 Ω/M	Solid Polyethylene 0.146	3.71	85% Bare Copper Braid 2.7 Ω/M	Black PVC .242	6.15	21.00	68.90	66	73	1 10 50 100 200 500 1000	0.41 0.99 2.38 3.49 5.09 8.43 13.03

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:
- 1000' (305 m) Reels
- 1000' (305 m) Pull-Pac® Cartons
- Other put-ups available – consult Customer Service

Applications:
- Suitable for RF signal transmission
- CATV
- MATV
- Drop Cable
- Local Area Network
- Citizen band radio
- Monitor/VDT Display
- See Coaxial Cable Product Finder, page 175-176

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** **NEC CL2, CATV, CM** **CEC CM** **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	0.50 1.00 2.30 3.30 4.10 6.50 9.40
C5780 **RG 59/U Type** **MATV** **NEC CL2, CATV, CM** **CEC CM**	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	0.60 1.20 1.95 2.70 3.70 5.70 8.12
C5782 **RG 59/U Type** **NEC CL2, CATV, CM** **CEC CM** **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	0.60 1.20 1.95 2.70 3.70 5.70 8.12
C5832 **RG 59/U Type** **NEC CL2, CATV, CM** **CEC 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	0.60 1.20 1.95 2.70 3.70 5.70 8.12
C5830 **RG 59/U Type** **Tri-Shield** **NEC CL2, CATV, CM** **CEC 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® 3.6 Ω/M	Black PVC 0.242	6.15	16.20	53.15	85	75	1 10 50 100 200 500 1000	0.60 1.20 1.95 2.70 3.70 5.70 8.12
C5784 **RG 59/U Type** **Quad-Shield** **NEC CL2, CATV, CM** **CEC CM** **1354**	20 Ga. Solid Copper Clad Steel 45.9 Ω/M	Cellular Polyethylene 0.144	3.66	(2) 100% Flexfoil® 1st Bonded (1) 67% (1) 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	0.60 1.20 1.95 2.70 3.70 5.70 8.12

RG 59/U Type

Product Construction:

Conductors:
- Copper clad steel per ASTM B-869

Insulation/Core:
- Solid and cellular polyethylene designs
- Cellular FEP design

Shield:
- Bare copper or aluminum braid
- Flexfoil® shield

Jacket:
- Premium PVC compound or PE compound

Packaging:
- 1000' (305 m) Reels
- 1000' (305 m) Pull-Pac® Cartons
- Other put-ups available – consult Customer Service

Applications:
- Suitable for RF signal transmission
- MATV
- Local Area Network
- Citizen band radio
- Monitor/VDT Display
- Direct Burial
- See Coaxial Cable Product Finder, page 175-176

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 0.146	 3.71	100% Flexfoil® Bonded +67% Aluminum Braid 9.7 Ω/M	Black PVC 0.242 X 0.395	 6.15 X 10.03	16.20	53.15	85	75	1 10 50 100 200 500 1000	0.60 1.20 1.95 2.70 3.70 5.70 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 0.146	 3.71	100% Flexfoil® Bonded +67% Aluminum Braid w/ water block 9.7 Ω/M	Black, Orange Permaline® PE 0.242	 6.15	16.20	53.15	85	75	1 10 50 100 200 500 1000	0.60 1.20 1.95 2.70 3.70 5.70 8.12
C1158 **RG 59/U Type** **Miniature Type** **1354**	27 Ga. (7X35) Copper Clad Steel 120.0 Ω/M	Solid Polyethylene 0.100	 2.54	93% Tinned Copper Braid 6.5 Ω/M	Black PVC 0.150	 3.81	20.50	67.26	66	75	1 10 50 100 200 500 1000	1.20 2.40 4.20 5.70 8.30 13.53 20.00
C3500 **RG 59/U Type** **Plenum** **NEC CL2P, CMP** **CEC CMP**	20 Ga. Solid Copper Clad Steel 45.9 Ω/M	Cellular FEP 0.145	 3.68	95% Bare Copper Braid 1.9 Ω/M	Flexguard® PVC Natural 0.201	 5.11	16.50	54.14	82	75	1 10 50 100 200 500 1000	0.78 1.90 1.98 2.80 4.10 6.82 9.64

RG 62/U Type

Product Construction:

Conductors:
- Copper clad steel per ASTM B-869

Insulation/Core:
- Semi-solid or cellular polyethylene designs
- Cellular FEP design

Shield:
- Bare copper braid

Jacket:
- Premium PVC compound

Packaging:
- 1000' (305 m) Reels
- Other put-ups available – consult Customer Service

Applications:
- Suitable for RF signal transmission
- Computer
- See Coaxial Cable Product Finder, page 175-176

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'
C1162 **RG 62A/U Type** **MIL-C-17G Type** **1354**	22 Ga. Solid Copper Clad Steel 73.4 Ω/M	Semi-Solid Polyethylene 0.146	3.71	95% Bare Copper Braid 2.6 Ω/M	Non-contaminating Black PVC 0.242	6.15	13.60	44.62	84	93	1 10 50 100 200 500 1000	0.38 0.85 1.90 2.70 3.80 5.90 8.70
C1164 **RG 62/U Type** **Computer Cable** **JAN-C-17A Type** **NEC CL2, CM** **CEC CM** **1354**	22 Ga. Solid Copper Clad Steel 73.4 Ω/M	Semi-Solid Polyethylene 0.146	3.66	95% Bare Copper Braid 2.6 Ω/M	Black PVC 0.242	6.15	13.60	44.62	84	93	1 10 50 100 200 500 1000	0.38 0.85 1.90 2.70 3.80 5.90 8.70
C3520 **RG 62/U Type** **Plenum** **NEC CL2P, CMP** **CEC CMP**	22 Ga. Solid Copper Clad Steel 54.7 Ω/M	Cellular FEP 0.145	3.56	95% Bare Copper Braid 1.9 Ω/M	Flexguard® PVC Natural 0.201	5.11	13.00	42.65	84	93	1 10 50 100 200 500 1000	0.30 0.90 1.90 2.70 3.80 5.90 8.34

RG 174/U Type

Product Construction:

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

Insulation/Core:
- Solid polyethylene designs

Shield:
- Tinned or bare copper braid

Jacket:
- Premium PVC compound

Packaging:
- 1000' (305 m) Reels
- Other put-ups available – consult Customer Service

Applications:
- Suitable for RF signal transmission
- MATV
- CATV
- Closed circuit TV
- See Coaxial Cable Product Finder, page 175-176

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'
C1156 **RG 174/U Type** **1354**	26 Ga. (7x34) Copper Clad Steel 97.0 Ω/M	Solid Polyethylene 0.060	1.52	95% Tinned Copper Braid 10.3 Ω/M	Black PVC 0.103	2.62	30.80	101.05	66	50	1 10 50 100 200 500 1000	1.90 3.30 5.80 8.40 12.50 21.21 34.00

RG 213/U Type

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'
C1176 **RG 213/U Type** **MIL-C-17G Type** **1354**	13 Ga. (7x21) Bare Copper 1.7 Ω/M	Solid Polyethylene 0.285	7.24	95% Bare Copper Braid 1.2 Ω/M	Non-contaminating Black PVC 0.405	10.29	30.80	101.05	66	50	1 10 50 100 200 500 1000	0.18 0.62 1.50 2.10 3.00 5.03 8.20

Other Coaxial Cables

Product Construction:

Conductors:
- Copper per ASTM B-3
- Tinned copper per ASTM B-33

Insulation/Core:
- Solid and cellular polyethylene designs
- Cellular FEP Design

Shield:
- Tinned copper braid
- Flexfoil® shield

Jacket:
- Premium PVC compound

Packaging:
- 1000' (305 m) Reels
- 1000' (305 m) Pull-Pac® Cartons
- Other put-ups available – consult Customer Service

Applications:
- Precision video
- Thinnet
- See Coaxial Cable Product Finder, page 175-176

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'
C5838 **RG 59/U Type** **Indoor Use** **Precision Video**	20 Ga. Solid Bare Copper 9.9 Ω/M	Solid Polyethylene 0.200	5.08	98% Tinned Copper Double Braid 1.1 Ω/M	Clear PVC 0.305	7.75	20.00	65.62	66	77	1 10 50 100 200 500 1000	0.25 0.78 1.70 2.50 3.70 5.93 9.20
C5779 **RG 58/U Type** **Thinnet** **NEC CL2, CM** **CEC CM** **1354**	20 Ga. Stranded (19X32) Tinned Copper 9.5 Ω/M	Cellular Polyethylene 0.100	2.54	100% Flexfoil® Bonded +81% Tinned Copper Braid 9.5 Ω/M	Gray PVC 0.186	4.72	25.40	83.34	80	50	1 10 50 100 200 500 1000	0.40 1.20 2.90 4.30 6.20 10.00 14.00
C3579 **RG 58/U Type** **Thinnet** **Plenum** **NEC CL2P, CMP** **CEC CMP**	20 Ga. (19X32) Tinned Copper 9.5 Ω/M	Cellular FEP 0.100	2.54	100% Flexfoil® +95% Tinned Copper Braid 3.1 Ω/M	Flexguard® PVC Natural 0.165	4.19	26.00	85.31	78	50	1 10 50 100 200 500 1000	0.60 1.30 2.90 4.20 6.10 10.00 14.80

Twinaxial Cables

Product Construction:

Conductors:
- Copper per ASTM B-3
- Tinned copper per ASTM B-33

Insulation/Core:
- Solid and foamed polyethylene designs
- Lo-Cap® polypropylene designs

Shield:
- Tinned copper braid
- Flexfoil® shield

Jacket:
- Premium PVC compound

Packaging:
- 1000' (305 m) Reels
- 1000' (305 m) Pull-Pac® Cartons
- Other put-ups available – consult Customer Service

Applications:
- Programmable Logic Controllers (PLC)
- Data Transmission
- Broadcast
- Computer

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'
C8000 **NEC CL2** **2498** **80°C, 300V**	20 Ga. (7X28) (1) Tinned Copper, (1) Bare Copper 9.5 Ω/M	Solid Polyethylene Coded: Natural, Natural		100% Flexfoil® +90% Tinned Copper Braid 2.5 Ω/M	Black PVC		15.50	50.86	66	100	1 10 50 100 200 400	0.40 1.10 2.50 4.10 6.40 10.20
		0.022	0.56		0.330	8.38						
C8001 **NEC CL2, CM** **CEC CM** **2464** **2582** **60°C, 300V**	20 Ga. (7X28) Tinned Copper 9.5 Ω/M	Solid Polyethylene Coded: Natural, Blue		100% Flexfoil® +57% Tinned Copper Braid 4.1 Ω/M	Blue PVC		19.17	62.90	66	78	1 10 50 100 200 400	0.60 2.10 5.00 7.50 11.00 16.00
		0.020	0.51		0.242	6.15						
C8012 **2092** **80°C, 300V**	25 Ga. (7X33) Tinned Copper 31.8 Ω/M	Solid Polyethylene Coded: Natural, Blue		100% Flexfoil® +25 AWG Tinned Copper Drain Wire 12.0 Ω/M	Blue PVC		12.20	40.03	66	124	1 10 50 100 200 400	0.60 1.70 3.60 5.00 6.90 9.60
		0.030	0.76		0.240	6.10						
C8013 **2448** **60°C, 30V**	16 Ga. Solid Bare Copper 4.2 Ω/M	Cellular Polyethylene Coded: Natural, Blue		100% Flexfoil® +92% Tinned Copper Braid 6.3 Ω/M	Black PVC		10.90	35.76	78	120	1 10 50 100 200 400	0.18 0.71 1.80 2.90 4.10 6.20
		0.052	1.32		0.440	11.18						
C8014 **2668** **60°C, 30V**	22 Ga. (19X34) Tinned Copper 15.0 Ω/M	Lo-Cap® Polypropylene Coded: Black, Yellow		100% Flexfoil® +22 AWG Tinned Copper Drain Wire 6.3 Ω/M	Black PVC		8.80	28.87	78	150	1 10 50 100 200 400	0.40 1.20 2.65 4.30 6.20 8.80
		0.051	1.30		0.360	9.14						
C8033 **2092** **60°C, 300V**	22 Ga. (7X30) (1) Tinned Copper, (1) Bare Copper 16.0 Ω/M	Solid Polyethylene Coded: White, Blue		85% Tinned Copper Braid 4.7 Ω/M	Beige PVC		20.70	67.92	66	78	1 10 50 100 200 400	0.80 2.50 5.70 8.00 11.40 16.10
		0.015	0.38		0.180	4.57						