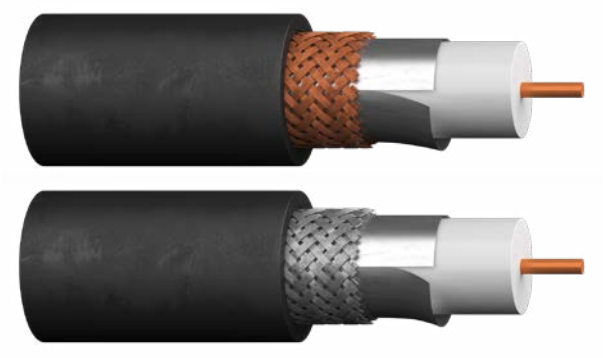
Coaxial Cable



To meet the needs of today's sophisticated, high-speed, wide bandwidth electronics over long distances, with minimum signal loss or degradation, Prysmian 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.

In order to avoid installing an unacceptable coaxial cable for the CATV application in your area, consult you local CATV company.

Prysmian'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.

RG 6/U Type

Product Construction:

Conductors:
- Copper per ASTM B3
- Copper-clad steel per ASTM B869

Insulation/Core:
- Foam polyethylene (PE)

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

CATALOG NUMBER	AWG SIZE NOM. DCR	INSULATION O.D.		SHIELD COVERAGE NOM SHLD DCR	NOMINAL O.D.		NOMINAL CAPACITANCE		VELOCITY OF PROPAGATION, %	NOMINAL IMPEDANCE, Ω	NOMINAL ATTENUATION	
		in	mm		in	mm	pF/ft	pF/m			MHz	dB/100'
C5761† **RG 6/U Type** **UL CL2, CM** **c(UL) CM, (UL)**	18 Ga. Solid Bare Copper 6.5 Ω/Mft.	Foam PE 0.180	4.57	100% Flexfoil® +95% Bare Copper Braid 2.6 Ω/Mft.	PVC 0.275	6.98	16.20	53.15	83	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** **UL CL2, CATV, CM** **c(UL) CM, (UL)**	18 Ga. Solid Copper-Clad Steel 28.9 Ω/ Mft.	Foam PE 0.180	4.57	100% Flexfoil® Bonded +60% Aluminum Braid 9.0 Ω/Mft.	PVC 0.276	7.01	16.20	53.15	83	75	1 10 50 100 200 500 1000 1450 1800 2200 3000	0.26 0.81 1.46 2.05 2.83 4.53 6.59 8.10 8.80 10.10 11.79
C5886 **RG 6/U Type** **Riser** **UL CL2R, CATVR, CMR** **c(UL) CMR, c(UL) CM (UL)**	18 Ga. Solid Copper-Clad Steel 28.9 Ω/ Mft.	Foam PE 0.180	4.57	100% Flexfoil® Bonded +60% Aluminum Braid 9.0 Ω/Mft.	PVC 0.276	7.01	16.20	53.15	83	75	1 10 50 200 500 1000	0.34 1.05 3.50 5.00 7.30 11.60

Data subject to change.

RG 6/U Type

Product Construction:

Conductors:
- Copper-clad steel per ASTM B869

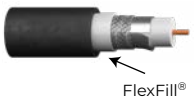
Insulation/Core:
- Foam polyethylene (PE)

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
- Direct burial

CATALOG NUMBER	AWG SIZE NOM. DCR	INSULATION O.D.		SHIELD COVERAGE NOM SHLD DCR	NOMINAL O.D.		NOMINAL CAPACITANCE		VELOCITY OF PROPAGATION, %	NOMINAL IMPEDANCE, Ω	NOMINAL ATTENUATION	
		in	mm		in	mm	pF/ft	pF/m			MHz	dB/100'
C5785 **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 0.180	4.57	(2) 100% Flexfoil® 1st Bonded (1) 60% (2) 40% Aluminum Braids 3.7 Ω/Mft.	PVC 0.298	7.57	16.20	53.15	83	75	1 10 50 100 200 500 1000 1450 1800 2200 3000	0.35 0.65 1.36 2.01 2.82 4.53 6.59 8.10 8.80 10.47 12.65
C5889 **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 0.180	4.57	(2) 100% Flexfoil® 1st Bonded (1) 60% (2) 40% Aluminum Braids 3.7 Ω/Mft.	PVC 0.298	7.57	16.20	53.15	83	75	1 10 50 100 200 500 1000 1450 1800 2200 3000	0.26 0.81 1.46 2.05 2.83 4.53 6.59 8.10 8.80 10.10 11.79
C5777 **RG 6/U Type** **UL CL2, CATV, CM** **c(UL) CM** 	18 Ga. Solid Copper-Clad Steel 28.9 Ω/ Mft.	Foam PE 0.180	4.57	100% Flexfoil® Bonded +61% Tinned Copper Braid 6.5 Ω/Mft.	PVC 0.271	6.88	16.20	53.15	83	75	1 10 50 100 200 500 1000 1450 1800 2200 3000	0.26 0.81 1.46 2.05 2.83 4.53 6.59 8.10 8.80 10.10 11.79
C5804 **RG 6/U Type** **MoistureGuard™** **Direct Burial,** **Flooded**  FlexFill®	18 Ga. Solid Copper-Clad Steel 28.9 Ω/ Mft.	Foam PE 0.180	4.57	100% Flexfoil® Bonded +60% Aluminum Braid w/water block 9.0 Ω/Mft.	Black PE 0.270	6.86	16.20	53.15	83	75	1 10 50 100 200 500 1000	0.26 0.81 1.46 2.05 2.83 4.53 6.59

Data subject to change.

RG 6/U Type

Product Construction:

Conductors:
- Copper per ASTM B3
- Copper-clad steel per ASTM B869

Insulation/Core:
- Foam polyethylene (PE)

Shield:
- Aluminum braid
- Flexfoil® shield

Jacket:
- Premium PVC compound

Packaging:
- Please contact Customer Service for packaging and color options

Applications:
- LAN cable
- CATV
- Direct broadcast satellite

CATALOG NUMBER	AWG SIZE NOM. DCR	INSULATION O.D.		SHIELD COVERAGE NOM SHLD DCR	NOMINAL O.D.		NOMINAL CAPACITANCE		VELOCITY OF PROPAGATION, %	NOMINAL IMPEDANCE, Ω	NOMINAL ATTENUATION	
		in	mm		in	mm	pF/ft	pF/m			MHz	dB/100'
C5822 **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.	PVC		16.20	53.15	83	75	1 10 50 100 200 500 1000 1450 1800 2200 3000	0.26 0.81 1.46 2.05 2.83 4.53 6.59 8.10 8.80 10.10 11.79
		0.180	4.57		0.270 x 0.595	6.86 x 15.11						

Data subject to change.

RG 6/U Type

Product Construction:

Conductors:
- Copper per ASTM B3 or copper-clad steel per ASTM B869
- Twisted pair color code: black and red

Insulation/Core:
- Foam polyethylene (PE)
- Foam fluoropolymer (FEP)

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

Jacket:
- Premium-grade PVC compound
- Flexguard® 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

CATALOG NUMBER	AWG SIZE NOM. DCR	INSULATION O.D.		SHIELD COVERAGE NOM SHLD DCR	NOMINAL O.D.		NOMINAL CAPACITANCE		VELOCITY OF PROPAGATION, %	NOMINAL IMPEDANCE, Ω	NOMINAL ATTENUATION	
		in	mm		in	mm	pF/ft	pF/m			MHz	dB/100'
C3521 **RG 6/U Type** **Plenum** **UL CL2P, CMP** **c(UL) CMP**	18 Ga. Solid Bare Copper 6.5 Ω/Mft.	Fluoropolymer 0.170	4.32	Flexfoil® Bonded +95% Tinned Copper Braid 2.3 Ω/Mft.	Flexguard® PVC 0.227	5.77	16.00	52.50	83	75	1 10 50 100 200 500 1000	0.30 0.66 1.50 2.10 3.10 5.00 7.30
C3524 **RG 6/U Type** **Plenum** **UL CL2P, CMP** **c(UL) CMP, CATV**	18 Ga. Solid Copper- Clad Steel 28.6 Ω/Mft.	Fluoropolymer 0.170	4.32	Flexfoil® Bonded +80% Aluminum Braid 9.0 Ω/Mft.	Flexguard® PVC 0.232	5.89	16.00	52.50	83	75	1 10 50 100 200 500 1000 2300 3000	0.30 0.66 1.50 2.10 3.10 5.00 7.30 12.20 14.28
C3525 **RG 6/U Type** **Quad Shield** **Plenum** **UL CL2P, CMP** **c(UL) CMP**	18 Ga. Solid Copper- Clad Steel 28.6 Ω/Mft.	Fluoropolymer 0.170	4.32	(2) 100% Flexfoil® (1) 60% (2) 40% Aluminum Braids 5.3 Ω/Mft.	Flexguard® PVC 0.264	6.70	16.20	52.50	83	75	1 10 50 100 200 500 1000 2300 3000	0.30 0.66 1.50 2.10 3.10 5.00 7.30 12.20 14.28
C8029† **RG 6/U Type** **+18 AWG** **Unshielded Pair** **UL CL2, CM** **c(UL) CM**	18 Ga. Solid Bare Copper Coax 18 AWG (7/26) Unshielded Pair	Foam PE 0.180 Premium PVC 0.010	4.57 0.25	100% Flexfoil® 95% Bare Copper Braid 1.9 Ω/Mft. Unshielded Pair	PVC 0.275 x 0.496	6.99 x 12.59	17.00	53.15	83	75	1 10 50 100 200 500 1000	0.26 0.81 1.46 2.05 2.83 4.53 6.59

Data subject to change.

RG 6/U Type

Product Construction:

Conductors:
- Copper per ASTM B3

Insulation/Core:
- Foam polyethylene (PE)
- Foam fluoropolymer (FEP)

Shield:
- Tinned copper braid
- Flexfoil® shield
- Bare copper braid

Jacket:
- Premium-grade PVC compound
- Flexguard® PVC compound or PVDF

Packaging:
- Please contact Customer Service for packaging and color options

Applications:
- Broadlast grade headend
- Serial Digital Interface (SDI)
- CATV
- DBS
- Drop cable
- HDTV
- CCTV†
- Digital video

CATALOG NUMBER	AWG SIZE NOM. DCR	INSULATION O.D.		SHIELD COVERAGE NOM SHLD DCR	NOMINAL O.D.		NOMINAL CAPACITANCE		VELOCITY OF PROPAGATION, %	NOMINAL IMPEDANCE, Ω	NOMINAL ATTENUATION	
		in	mm		in	mm	pF/ft	pF/m			MHz	dB/100'
395011 **ETL CMR** **c(ETL) CMR** **ETL CL2R** **c(ETL) CL2R** 	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		16.00	53.10	83	75	1 3.6 135 270 540 1500 2250 3000	0.24 0.45 2.10 2.97 4.25 7.33 9.14 10.67
		0.180	4.57		0.275	6.91						
495035† **UL CMP** **c(UL) CMP** **75°C** 	18 Ga. Solid Bare Copper 6.7 Ω/ Mft.	Fluoropolymer		95% Bare Copper Braid 2.0 Ω/Mft.	Flexguard® PVC		16.00	52.50	83	75	1 10 50 100 200 540 1000 1500 2250 3000	0.21 0.59 1.38 2.24 3.13 5.50 8.16 10.12 13.23 16.11
		0.170	4.32		0.277	5.77						

Data subject to change.

RG 8/U Type

Product Construction:

Conductors:
- Copper per ASTM B3

Insulation/Core:
- Solid and foam polyethylene

Shield:
- Tinned or bare 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

CATALOG NUMBER	AWG SIZE NOM. DCR	INSULATION O.D.		SHIELD COVERAGE NOM SHLD DCR	NOMINAL O.D.		NOMINAL CAPACITANCE		VELOCITY OF PROPAGATION, %	NOMINAL IMPEDANCE, Ω	NOMINAL ATTENUATION	
		in	mm		in	mm	pF/ft	pF/m			MHz	dB/100'
C1154 **RG 8/U Type** **JAN-C-17A TYPE** **1354** 	13 Ga. (7/21) Bare Copper 1.9 Ω/ Mft.	Solid PE 0.285	7.24	95% Bare Copper Braid 1.2 Ω/Mft.	PVC 0.405	10.29	30.80	101.05	66	50	1 10 50 100 200 500 1000	0.20 0.58 1.38 2.15 3.08 5.45 8.60
C1198 **RG 8/U Type** **1354** 	11 Ga. (19/24) Bare Copper 1.9 Ω/ Mft.	Foam PE 0.285	7.24	95% Bare Copper Braid 1.1 Ω/Mft.	PVC 0.405	10.29	24.00	78.74	78	52	1 10 50 100 200 500 1000	0.30 0.75 1.30 1.80 3.00 4.50 6.00
C1180 **RG 8/U Type** **Air Core** 	9½ Ga. Solid Bare Copper 0.90 Ω/ Mft.	Foam PE 0.285	7.24	100% Flexfoil® Bonded +88% Tinned Copper Braid 1.8 Ω/Mft.	PVC 0.405	10.29	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

Data subject to change.

RG 11/U Type

Product Construction:

Conductors:
- Copper-clad steel per ASTM B869

Insulation/Core:
- Foam polyethylene (PE)

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 digital video
- MATV
- CATV
- Drop cable
- Outdoor use

CATALOG NUMBER	AWG SIZE NOM. DCR	INSULATION O.D.		SHIELD COVERAGE NOM SHLD DCR	NOMINAL O.D.		NOMINAL CAPACITANCE		VELOCITY OF PROPAGATION, %	NOMINAL IMPEDANCE, Ω	NOMINAL ATTENUATION	
		in	mm		in	mm	pF/ft	pF/m			MHz	dB/100'
C5029 **RG 11/U Type** **UL CL2, CM** **c(UL) CM, CATV** 	14 Ga. Solid Copper-Clad Steel 11.4 Ω/Mft.	Foam PE		100% Flexfoil® Bonded +61% Tinned Copper Braid 3.0 Ω/Mft.	PVC		16.20	53.15	83	75	1 10 50 100 200 500 1000 1450 1800 2200 3000	0.30 0.70 0.90 1.30 1.90 3.00 4.40 5.30 5.90 6.53 7.62
		0.280	7.11		0.400	10.16						

Data subject to change.

RG 11/U Type

Product Construction:

Conductor:
- Copper-clad steel per ASTM B3

Insulation/Core:
- Foam polyethylene (PE)

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
- Broadcast digital video
- MATV
- CATV
- Drop cable

CATALOG NUMBER	AWG SIZE NOM. DCR	INSULATION O.D.		SHIELD COVERAGE NOM SHLD DCR	NOMINAL O.D.		NOMINAL CAPACITANCE		VELOCITY OF PROPAGATION, %	NOMINAL IMPEDANCE, Ω	NOMINAL ATTENUATION	
		in	mm		in	mm	pF/ft	pF/m			MHz	dB/100'
C5039 **RG 11/U Type** **UL CL2, CATV, CM** **CSA CMG, c(UL) CM** **® 1354** 	14 Ga. Solid Copper-Clad Steel 11.4 Ω/Mft.	Foam PE 0.280	 7.11	100% Flexfoil® Bonded +60% Aluminum Braid 4.6 Ω/Mft.	PVC 0.400	 10.16	16.20	53.15	85	75	1 10 50 100 200 500 1000 1450 1800 2200 3000	0.30 0.70 0.90 1.30 1.90 3.00 4.40 5.30 5.90 6.53 7.62

Data subject to change.

RG 11/U Type Serial Digital Interface (SDI) Precision Cable

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

Product Construction:

Conductor:
- Copper per ASTM B3

Insulation/Core:
- Foam polyethylene (PE)

Shield:
- Bare copper

Jacket:
- Premium PVC compound

Packaging:
- Please contact Customer Service for packaging and color options

Applications:
- Suitable for RF signal transmission
- Broadcast-grade Serial Digital Interface (SDI)
- Analog/digital video
- MATV
- CATV
- CCTV†
- Drop cable
- HDTV

CATALOG NUMBER	AWG SIZE NOM. DCR	O.D.		SHIELD COVERAGE NOM SHLD DCR	NOMINAL O.D.		NOMINAL CAPACITANCE		VELOCITY OF PROPAGATION, %	NOMINAL IMPEDANCE, Ω	NOMINAL ATTENUATION	
		in	mm		in	mm	pF/ft	pF/m			MHz	dB/100'
395058† RG 11/U Type UL CM, CL2 c(UL) CMG 	14 Ga. Solid Bare Copper 2.6 Ω/Mft.	Foam PE		95% Bare Copper Braid 1.2 Ω/Mft.	Flame-Retardant PVC		16.20	52.50	83	75	1	0.17
		0.280	7.11		0.400	10.16					10	0.35
											50	0.90
											100	1.30
											200	1.90
											400	2.90
											540	3.37
											1000	4.59
											2250	6.88
											3000	7.94

Data subject to change.

RG 58/U Type

Product Construction:

Conductors:
- Copper per ASTM B3
- Tinned copper per ASTM B33

Insulation/Core:
- Solid and foam polyethylene (PE)
- Foam fluoropolymer (FEP)

Shield:
- Tinned copper braid

Jacket:
- Premium PVC compound

Packaging:
- Please contact Customer Service for packaging and color options

Applications:
- Suitable for RF signal transmission
- Broadcast
- LAN & data transmission

CATALOG NUMBER	AWG SIZE NOM. DCR	INSULATION O.D.		SHIELD COVERAGE NOM SHLD DCR	NOMINAL O.D.		NOMINAL CAPACITANCE		VELOCITY OF PROPAGATION, %	NOMINAL IMPEDANCE, Ω	NOMINAL ATTENUATION	
		in	mm		in	mm	pF/ft	pF/m			MHz	dB/100'
C1155 **RG 58 C/U Type** **MIL-C-17G Type**	20 Ga. (19/.0071) Tinned Copper 10.8 Ω/Mft.	Solid PE 0.116	2.95	95% Tinned Copper Braid 4.3 Ω/Mft.	Non-Contaminating 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/Mft.	Solid PE 0.116	2.95	95% Tinned Copper Braid 4.3 Ω/Mft.	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
C1188 **RG 58 A/U Type** **UL CL2, CM** **CSA CMG** **1354**	20 Ga. (19/32) Tinned Copper 9.5 Ω/Mft.	Foam PE 0.114	2.90	95% Tinned Copper Braid 4.3 Ω/Mft.	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** **UL CL2P, CMP** **c(UL) CMP**	19 Ga. Solid Bare Copper 8.1 Ω/Mft.	Fluoropolymer 0.102	2.59	95% Tinned Copper Braid 5.5 Ω/Mft.	Flexguard® PVC 0.157	3.99	25.00	82.00	80	53	1 10 50 100 200 500 1000	0.40 1.30 2.80 3.90 6.00 9.50 13.50
C1178A **RG 58A/U Type** **JAN-C-17A Type** **1354**	20 Ga. (19/.0071) Tinner Copper 10.8 Ω/Mft	Solid PE 0.116	2..95	95% Tinned Copper Braid 4.3 Ω/Mft.	Black PVC 0.195	4.95	30.00	98.43	66	50	1 10 50 100 200 500 1000	0.42 1.50 3.70 5.40 8.10 13.96 22.80

Data subject to change.

RG 59/U Type

Product Construction:

Conductors:
- Copper per ASTM B3
- Copper-clad steel per ASTM B869
- Twisted pair color code: black and red

Insulation/Core:
- Solid and cellular polyethylene (PE)

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

CATALOG NUMBER	AWG SIZE NOM. DCR	INSULATION O.D.		SHIELD COVERAGE NOM SHLD DCR	NOMINAL O.D.		NOMINAL CAPACITANCE		VELOCITY OF PROPAGATION, %	NOMINAL IMPEDANCE, Ω	NOMINAL ATTENUATION	
		in	mm		in	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 0.146	3.71	95% Bare Copper Braid 3.5 Ω/Mft.	Black PE 0.242	6.15	17.30	56.76	82	75	1 10 50 100 200 500 1000 1450 1800 2200 3000	0.26 0.82 1.80 2.60 3.70 6.00 8.80 10.60 11.81 13.05 15.24
C1104 **RG 59/U Type** **1354**	22 Ga. Solid Copper- Clad Steel 73.4 Ω/Mft.	Solid PE 0.146	3.71	95% Bare Copper Braid 2.6 Ω/Mft.	PVC 0.242	6.15	20.50	67.26	66	73	1 10 50 100 200 500 1000 1450 1800 2200 3000	0.41 0.99 2.38 3.49 5.09 8.43 13.03 15.69 17.48 19.33 22.57
C1103† **RG 59/U Type** **UL CL2, CATV, CM** **CSA CMG** **1354**	22 Ga. (7/30) Bare Copper 14.8 Ω/Mft.	Foam PE 0.146	3.71	95% Bare Copper Braid 2.6 Ω/Mft.	PVC 0.242	6.15	16.20	53.15	78	77	1 10 50 100 200 500 1000 1450 1800 2200 3000	0.26 0.91 2.09 3.00 4.33 7.03 10.64 12.81 14.28 15.78 18.43
C1142† **RG 59/U Type** **UL CL2, CATV, CM** **CSA CMG** **1354**	20 Ga. Solid Bare Copper 10.1 Ω/Mft.	Foam PE 0.146	3.71	95% Bare Copper Braid 2.6 Ω/Mft.	PVC 0.236	5.99	16.20	53.15	83	75	1 10 50 100 200 500 1000 1450 1800 2200 3000	0.25 0.78 1.97 2.79 3.97 6.35 9.15 11.02 12.28 13.57 15.85

Data subject to change.

RG 59/U Type

Product Construction:

Conductors:
- Copper per ASTM B3
- Copper-clad steel per ASTM B869
- Twisted pair color code: black and red

Insulation/Core:
- Solid polyethylene (PE) , Fluoropolymer (FEP) and polyvinylchloride (PVC)

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

CATALOG NUMBER	AWG SIZE NOM. DCR	INSULATION O.D.		SHIELD COVERAGE NOM SHLD DCR	NOMINAL O.D.		NOMINAL CAPACITANCE		VELOCITY OF PROPAGATION, %	NOMINAL IMPEDANCE, Ω	NOMINAL ATTENUATION	
		in	mm		in	mm	pF/ft	pF/m			MHz	dB/100'
C1106 **RG 59B/U Type** **MIL-C-17D Type** **1354**	23 Ga. Solid Copper-Clad Steel 68.5 Ω/Mft.	Solid PE		95% Bare Copper Braid 2.6 Ω/Mft.	Non-Contaminating PVC		20.50	67.26	66	75	1 10 50 100 200 500 1000 1450 1800 2200 3000	0.44 1.02 2.44 3.55 5.18 8.59 13.56 16.33 18.19 20.11 23.49
		0.146	3.71		0.240	6.10						
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	FEP		95% Bare Copper Braid Unshielded Pair	Flexguard® PVC		16.30	53.48	83	75	1 10 50 100 200 500 1000	0.78 1.90 1.98 2.80 4.10 6.82 9.64
		0.135	3.43		0.200 X 0.383	5.08 X 9.73						
		PVC										
		0.006	0.15									

Data subject to change.

RG 59/U Type

Product Construction:

Conductors:
- Copper-clad steel per ASTM B869

Insulation/Core:
- Foam polyethylene (PE)

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

CATALOG NUMBER	AWG SIZE NOM. DCR	INSULATION O.D.		SHIELD COVERAGE NOM SHLD DCR	NOMINAL O.D.		NOMINAL CAPACITANCE		VELOCITY OF PROPAGATION, %	NOMINAL IMPEDANCE, Ω	NOMINAL ATTENUATION	
		in	mm		in	mm	pF/ft	pF/m			MHz	dB/100'
C5770 **RG 59/U Type** **UL CL2, CM** **CSA CMG** **1354** 	22 Ga. Solid Copper-Clad Steel 73.4 Ω/ Mft.	Foam PE 0.144	3.66	100% Flexfoil® Bonded + 40% Aluminum Braid 11.0 Ω/Mft.	PVC 0.236	5.99	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, CM** **CSA CMG** **1354** 	20 Ga. Solid Copper-Clad Steel 45.9 Ω/ Mft.	Foam PE 0.144	3.66	100% Flexfoil® Bonded + 40% Aluminum Braid 11.0 Ω/Mft.	PVC 0.236	5.99	16.20	53.15	83	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

Data subject to change.

RG 59/U Type

Product Construction:

Conductors:
- Copper per ASTM B3
- Twisted pair color code: black and red

Insulation/Core:
- Foam polyethylene (PE), Fluoropolymer (FEP) and polyvinylchloride (PVC)

Shield:
- Bare copper braid
- Flexfoil® shield

Jacket:
- Premium PVC compound

Packaging:
- Please contact Customer Service for packaging and color options

Applications:
- Suitable for RF signal transmission
- MATV
- CCTV†
- Local Area Network
- Monitor/VDT display

CATALOG NUMBER	AWG SIZE NOM. DCR	INSULATION O.D.		SHIELD COVERAGE NOM SHLD DCR	NOMINAL O.D.		NOMINAL CAPACITANCE		VELOCITY OF PROPAGATION, %	NOMINAL IMPEDANCE, Ω	NOMINAL ATTENUATION	
		in	mm		in	mm	pF/ft	pF/m			MHz	dB/100'
C8027† RG 59/U Type +18 AWG Shielded Pair UL CL2, CM c(UL) CM 	22 AWG (7/30) Bare Copper Coax 18 AWG (16/30) Shielded Pair	Foam PE		95% Bare Copper Braid 125% Flexfoil® Al/PP Shielded	PVC		17.00	55.78	78	77	1 10 50 100 200 500 1000	0.26 0.91 2.09 3.00 4.33 7.03 10.64
		0.144	3.66		0.242 X 0.470	6.15 X 11.94						
		Premium PVC										
		0.046	1.17									
C8028† RG 59/U Type +18 AWG Unshielded Pair UL CL2, CM c(UL) CM 	20 AWG Solid Bare Copper Coax 18 AWG (7/26) Unshielded Pair	Foam PE		95% Bare Copper Braid Unshielded Pair	PVC		16.20	53.15	78	75	1 10 50 100 200 500 1000	0.25 0.78 1.97 2.70 3.97 6.35 9.15
		0.144	3.66		0.238 X 0.440	6.05 X 11.18						
		Premium PVC										
		0.066	1.68									

Data subject to change.

RG 59/U Serial Digital Interface Cable

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

Product Construction:

Conductors:
- Copper per ASTM B3

Insulation/Core:
- Foam fluoropolymer (FEP)

Shield:
- Bare copper braid

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)

CATALOG NUMBER	AWG SIZE NOM. DCR	INSULATION O.D.		SHIELD COVERAGE NOM SHLD DCR	NOMINAL O.D.		NOMINAL CAPACITANCE		VELOCITY OF PROPAGATION, %	NOMINAL IMPEDANCE, Ω	NOMINAL ATTENUATION	
		in	mm		in	mm	pF/ft	pF/m			MHz	dB/100'
495028† **RG 59/U Type** **UL CMP** **c(UL) CMP** 	20 Ga. Solid Bare Copper 10.5 Ω/ Mft.	Fluoropolymer 0.139	3.43	95% Bare Copper Braid Shield 2.7 Ω/Mft.	Flexguard® PVC 0.196	4.97	16.00	52.50	84	75	1 10 50 100 200 400	0.24 1.41 1.83 2.64 3.84 5.64

Data subject to change.

RG 62/U Type

Product Construction:

Conductors:
- Copper-clad steel per ASTM B869

Insulation/Core:
- Foam polyethylene (PE)

Shield:
- Bare copper braid

Jacket:
- Premium PVC compound

Packaging:
- Please contact Customer Service for packaging and color options

Applications:
- Suitable for RF signal transmission
- Computer/networks

CATALOG NUMBER	AWG SIZE NOM. DCR	INSULATION O.D.		SHIELD COVERAGE NOM SHLD DCR	NOMINAL O.D.		NOMINAL CAPACITANCE		VELOCITY OF PROPAGATION, %	NOMINAL IMPEDANCE, Ω	NOMINAL ATTENUATION	
		in	mm		in	mm	pF/ft	pF/m			MHz	dB/100'
C1164 **RG 62/U Type** **Computer Cable** **JAN-C-17A Type** **UL CL2, CM** **CSA CMG** **1354** 	22 Ga. Solid Copper-Clad Steel 73.4 Ω/Mft.	Foam PE		95% Bare Copper Braid 2.6 Ω/Mft.	PVC		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
		0.146	3.66		0.242	6.15						

Data subject to change.

RG 174/U Type

Product Construction:

Conductors:
- Copper-clad steel per ASTM B869

Insulation/Core:
- Solid polyethylene (PE)

Shield:
- Tinned copper braid

Jacket:
- Premium PVC compound

Packaging:
- Please contact Customer Service for packaging and color options

Applications:
- Suitable for RF signal transmission

CATALOG NUMBER	AWG SIZE NOM. DCR	INSULATION O.D.		SHIELD COVERAGE NOM SHLD DCR	NOMINAL O.D.		NOMINAL CAPACITANCE		VELOCITY OF PROPAGATION, %	NOMINAL IMPEDANCE, Ω	NOMINAL ATTENUATION	
		in	mm		in	mm	pF/ft	pF/m			MHz	dB/100'
C1156 **RG 174/U Type** **1354** 	26 Ga. (7/34) Cop-per-Clad Steel 97.0 Ω/Mft.	Solid PE		88% Tinned Copper Braid 10.3 Ω/Mft.	PVC		30.00	98.43	66	50	1 10 50 100 200 500 1000	1.90 3.30 5.80 8.40 12.50 21.21 34.00
		0.059	1.50		0.103	2.62						

Data subject to change.

RG 213/U Type

Product Construction:

Conductors:
- Copper per ASTM B3

Insulation/Core:
- Solid polyethylene (PE)

Shield:
- Bare copper braid

Jacket:
- Premium non-contaminating black PVC

Packaging:
- Please contact Customer Service for packaging and color options

Applications:
- Suitable for RF signal transmission

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	
		in	mm		in	mm	pF/ft	pF/m			MHz	dB/100'
C1176A **RG 213/U Type** **MIL-C-17G Type** **1354** 	13 Ga. (7/21) Bare Copper 1.7 Ω/Mft.	Solid PE		95% Bare Copper Braid 1.2 Ω/Mft.	PVC		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
		0.285	7.24		0.405	10.29						

Data subject to change.

Twinaxial Cables

Product Construction:

Conductors:
- Tinned copper per ASTM B33

Insulation/Core:
- Solid polyethylene (PE)

Shield:
- Tinned copper braid
- Flexfoil® shield

Jacket:
- Premium PVC compound

Packaging:
- Please contact Customer Service for packaging and color options

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	
		in	mm		in	mm	pF/ft	pF/m			MHz	dB/100'
C8001 **UL CL2, CM** **C(UL) CM** **AWM 2464** **60°C, 300V** 	20 Ga. (7/28) Tinned Copper 9.5 Ω/Mft.	Solid PE Coded: Natural, Blue		100% Flexfoil® +57% Tinned Copper Braid 4.1 Ω/Mft.	Blue PVC		20.00	65.62	66	78	1 10 50 100 200 400	0.60 2.10 5.00 7.50 11.00 16.00
		0.080	2.03		0.250	6.35						

Data subject to change.