

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

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

General Cable'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.

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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 P		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/Mft.	Foam PE		100% Flexfoil® 30 Ga. CCS Spiral Served Shield 30.0 Ω/Mft.	PVC		16.20	53.15	82	75	1	0.26
		0.180	4.57		0.240	6.10					10	0.81
C5761† RG 6/U Type UL CL2, CM c(UL) CM, (UL) or (ETL) 	18 Ga. Solid Bare Copper 6.5 Ω/Mft.	Foam PE		100% Flexfoil® +95% Bare Copper Braid 2.6 Ω/Mft.	PVC		16.20	53.15	83	75	1	0.26
		0.180	4.57		0.275	6.98					10	0.81
C5775 RG 6/U Type UL CL2, CATV, CM c(UL) CM, (UL) or (ETL) 	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	0.26
		0.180	4.57		0.275	6.98					10	0.81
C5886 RG 6/U Type Riser UL CL2R, CATVR, CMR c(UL) CMR, c(UL) CM (UL) or (ETL) 	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	0.26
		0.180	4.57		0.275	6.98					10	0.81
C5776 RG 6/U Type UL CL2, CATV, CM c(UL) CM, (UL) or (ETL) 	18 Ga. Solid Copper-Clad Steel 28.9 Ω/Mft.	Foam PE		100% Flexfoil® Bonded +95% Aluminum Braid 10.5 Ω/Mft.	PVC		16.20	53.15	83	75	1	0.26
		0.180	4.57		0.275	6.98					10	0.81

Data subject to change.



Put-Ups and Color Codes

PUT-UP CODES

	PULL-PAC®	SPOOL-PAC®	SPOOL	REEL
100'	-	-	12	33
250'	-	-	15	35
500'	25	-	18	38
1000'	30	86	21	41
2000'	-	-	-	43
2500'	-	-	24	44
3000'	-	-	-	52
5000'	-	-	26	46

JACKET COLOR CODES

COLOR	ABBREVIATION	COLOR CODE
Black	BK	01
White	WH	02
Red	RD	03
Orange	OR	04
Yellow	YL	05
Green	GN	06
Blue	BL	07
Brown	BR	08
Gray	GY	10
Pink	PK	13
Light Blue	LB	16
Beige	BG	17
Purple	PU	19
Natural	NT	86
Clear	CL	90

Due to variances in monitors and printed materials, the colors above are only a representation of color and do not necessarily reflect the actual jacket color of the cable.