

**CAROL  
BRAND****ELECTRONICS  
WIRE & CABLE**

## ■ CATV/MATV Coaxial Cables

General Cable now offers **Carol® Brand CATV/MATV Coaxial Cables** for Radio Frequency (RF) signal transmission in broadband cable television and master antenna applications. These coaxial cables are designed for low loss signal transmission and are available with a variety of shielding options in general purpose, riser and plenum constructions. CATV/MATV coaxial cables with attenuation ratings up to 2,200 or 2,300 MHz are also suitable for use in Direct Broadcast Satellite (DBS) installations. General Cable recommends you consult with the local CATV Company before installing coaxial cable to ensure that you have chosen the best cable for your specific application.

When you have a need for coaxial cables, think of Carol Brand Cables first. Remember, you can always ***Demand Better and Expect More*** with General Cable Carol Brand Electronic Cables. We manufacture over 1,300 standard electronic cables that we can ship direct from stock, and we have the technical staff and design expertise to meet any custom cable requirement.



#### Special Application Cable

Hook-up Wire

Plenum Cable

Coaxial Cable

Microphone Cable

Computer Cable

General Purpose Cable

Multi-Conductor  
Communication & Control Cable

Multi-Paired  
Communication & Control Cable


Fire Alarm Cable

Sound & Security Cable

*For more information, contact your local General Cable representative.*

# CATV/MATV Coaxial Cables

Catalog Number	AWG SIZE NOM. DCR	Insulation Material		Shield Coverage Nom Shield DCR	Nominal O.D.		Nominal Capacitance		Velocity of Propagation, %	Nominal Impedance, OHMS	Nominal Attenuation	
		inches	mm		inches	mm	pF/ft	pF/m			MHz	dB/100ft
<b>RG 6/U Type</b>												
<b>C5774 (General Purpose)</b>	18 Ga. Solid Copper Clad Steel 28.9 Ω/M	Cellular Polyethylene		100% Flexfoil® Bonded +40% Aluminum Braid 10.5 Ω/M	Black PVC		16.20	53.15	85	75	50	1.46
<b>RG 6/U Type</b>		0.177	4.50		0.267	6.78					100	2.05
<b>MATV</b>											200	2.83
<b>UL CL2, CATV, CM</b>											500	4.53
<b>c(UL) CM</b>											1000	6.59
<b>C5775 (General Purpose)</b>	18 Ga. Solid Copper Clad Steel 28.9 Ω/M	Cellular Polyethylene		100% Flexfoil® Bonded +60% Al. Braid 9.0 Ω/M	Black PVC		16.20	53.15	85	75	1	0.26
<b>RG 6/U Type</b>		0.177	4.50		0.267	6.78					10	0.81
<b>MATV, CATV, DBS</b>											50	1.46
<b>UL CL2, CATV, CM</b>											100	2.05
<b>c(UL) CM</b>											200	2.83
<b>C5886 (Riser)</b>	Same as C5775 except UL CL2R, CATVR, CMR; c(UL) CMR for use in riser applications.										500	4.53
<b>C5804 (non-UL direct burial)</b>	Same as C5775 except MoistureGuard™ water block flooded and black PE jacket for use in direct burial applications.										1000	6.59
<b>C5785 (General Purpose)</b>	18 Ga. Solid Copper Clad Steel 28.9 Ω/M	Cellular Polyethylene		(2) 100% Flexfoil® 1st Bonded (1) 60% Al. Braid (1) 40% Al. Braid 3.7 Ω/M	Black PVC		16.20	53.15	85	75	1450	8.10
<b>RG 6/U Type, Quad Shield</b>		0.177	4.50		0.292	7.42					1800	8.80
<b>MATV, CATV, DBS</b>											2200	10.10
<b>UL CL2, CATV, CM</b>												
<b>c(UL) CM</b>												
<b>C5889 (Riser)</b>	Same as C5785 except UL CL2R, CATVR, CMR; c(UL) CMR for use in riser applications.											
<b>C3524 (Plenum)</b>	18 Ga. Solid Copper Clad Steel 28.9 Ω/M	Cellular Fluoropolymer		100% Flexfoil® +60% Aluminum Braid 9.0 Ω/M	Flexguard® Natural		16.00	52.50	86	75	1	0.30
<b>RG 6/U Type</b>		0.170	4.318		0.226	5.74					10	0.66
<b>MATV, CATV</b>											50	1.50
<b>UL CL2P, CMP</b>											100	2.10
<b>c(UL) CMP</b>											200	3.10
<b>C3525 (Plenum)</b>	18 Ga. Solid Copper Clad Steel 28.9 Ω/M	Cellular Fluoropolymer		(2) 100% Flexfoil® 1st Bonded (1) 60% Al. Braid (1) 40% Al. Braid 5.3 Ω/M	Flexguard® Natural		16.00	52.50	86	75	500	5.00
<b>RG 6/U Type, Quad Shield</b>		0.170	4.318		0.264	6.71					1000	7.30
<b>MATV, CATV, DBS</b>											2300	12.20
<b>NEC CL2P, CMP</b>												
<b>CEC CMP</b>												
<b>RG 11/U Type</b>												
<b>*C5039 (General Purpose)</b>	14 Ga. Solid Copper Clad Steel 11.4 Ω/M	Cellular Polyethylene		100% Flexfoil® Bonded +60% Al. Braid 4.6 Ω/M	Black PVC		16.20	53.15	85	75	1	0.30
<b>RG 11/U Type; MATV, CATV</b>		0.280	7.11		0.395	10.03					10	0.70
<b>UL CL2, CATV, CM</b>											50	0.90
<b>CSA CMG</b>											100	1.30
<b>*C5044 (General Purpose)</b>	14 Ga. Solid Copper Clad Steel 11.4 Ω/M	Cellular Polyethylene		(2) 100% Flexfoil® 1st Bonded (1) 61% Al. Braid (1) 40% Al. Braid 3.4 Ω/M	Black PVC		16.20	53.15	85	75	200	1.90
<b>RG 11/U Type; MATV, CATV</b>		0.280	7.11		0.405	10.29					500	3.00
<b>Quad Shield</b>											1000	4.40
<b>UL CL2, CATV, CM</b>												
<b>CSA CMG</b>												
<b>RG 59/U Type</b>												
<b>*C5770 (General Purpose)</b>	22 Ga. Solid Copper Clad Steel 73.4 Ω/M	Cellular Polyethylene		100% Flexfoil® Bonded +40% Aluminum Braid 11.0 Ω/M	Black PVC		16.00	52.50	78	80	1	0.50
<b>RG 59/U Type</b>		0.144	3.66		0.231	5.87					10	1.00
<b>MATV, CATV</b>											50	2.30
<b>UL CL2, CATV, CM</b>											100	3.30
<b>CSA CMG</b>											200	4.10
											500	6.50
											1000	9.40
<b>C5780 (General Purpose)</b>	20 Ga. Solid CCS 45.9 Ω/M	Cellular Polyethylene		100% Flexfoil®, Bonded +40% Al. Braid 11.0 Ω/M	Black PVC		16.20	53.15	85	75	1	0.60
<b>RG 59/U Type; MATV</b>		0.144	3.66		0.234	5.94					10	1.20
<b>UL CL2, CATV, CM; CSA CMG</b>											50	1.95
<b>*C5782 (General Purpose)</b>	20 Ga. Solid CCS 45.9 Ω/M	Cellular Polyethylene		100% Flexfoil®, Bonded +67% Al. Braid 9.7 Ω/M	Black PVC		16.20	53.15	85	75	100	2.70
<b>RG 59/U Type; MATV, CATV</b>		0.144	3.66		0.234	5.94					200	3.70
<b>UL CL2, CATV, CM; CSA CMG</b>											500	5.70
<b>C5844 (non-UL direct burial)</b>	Same as C5782 except MoistureGuard™ water block flooded and black PE jacket for use in direct burial applications.										1000	8.12
<b>*C5784 (General Purpose)</b>	20 Ga. Solid Copper Clad Steel 45.9 Ω/M	Cellular Polyethylene		(2) 100% Flexfoil® 1st Bonded (1) 67% Al. Braid (1) 46% Al. Braid 4.1 Ω/M	Black PVC		16.20	53.15	85	75	1	0.60
<b>RG 59/U Type</b>		0.144	3.66		0.270	6.86					10	1.20
<b>Quad Shield</b>											50	1.95
<b>UL CL2, CATV, CM</b>											100	2.70
<b>CSA CMG</b>											200	3.70
											500	5.70
											1000	8.12
<b>C3526 (Plenum)</b>	20 Ga. Solid CCS 45.9 Ω/M	Cellular Fluoropolymer		100% Flexfoil® +65% Al. Braid 10.7 Ω/M	Flexguard® Natural		16.00	52.50	84	75	1	0.34
<b>RG 59/U Type; MATV, CATV</b>		0.135	3.429		0.202	5.13					10	1.07
<b>UL CL2P, CMP; c(UL) CMP</b>											50	1.77
<b>C3527 (Plenum)</b>	20 Ga. Solid CCS 45.9 Ω/M	Cellular Fluoropolymer		(2) 100% Flexfoil® 1st Bonded (1) 60% Al. Braid (1) 40% Al. Braid 6.3 Ω/M	Flexguard® Natural		16.00	52.50	84	75	100	2.50
<b>RG 59/U Type; Quad Shield</b>		0.135	3.429		0.235	5.97					200	3.53
<b>MATV, CATV</b>											500	5.98
<b>UL CL2P, CMP</b>											1000	8.45
<b>c(UL) CMP</b>											2300	14.10

\*C5039, C5044, C5770, C5782, C5784 are also UL recognized.  1354



**Product Construction:**

- Conductors:**
  - Copper clad steel (CCS) per ASTM B-869
- Insulation/Core:**
  - Cellular polyethylene or Cellular fluoropolymer
- Shield:**
  - Aluminum braid
  - Flexfoil® shield(s)
- Jacket:**
  - Premium PVC, PE, or Flexguard® compound

**Packaging:**

- 1000' (305 m) Reels
- Other put-ups available – consult Customer Service
- Applications:**
  - Suitable for RF signal transmission
  - CATV
  - MATV
  - Direct burial

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