

# Carol® Brand RG 59/U Coaxial Cables with 17 FREE™

Standard RG 59/U Type and Siamese RG 59/U CCTV



## Features and Benefits

- Halogen-free
- Reduced toxicity
- Low-vision-impairing smoke
- More environmentally friendly
- Flexibility for easy installation
- Performance guaranteed to 3 GHz
- Print legend contains TRU-Mark® Footage Precision Marking System
- Third-party verified for guaranteed performance

## Applications

- Suitable for RF signal transmission
- CATV
- MATV
- CCTV
- Local Area Network
- Digital video
- Monitor/VDT display

## Standard Compliances

- NEC Article 725 Type CL2 (ETL: 60°C)
- ETL listed (UL Standard 13)
- NEC Article 800 Type CM (ETL: 60°C)
- ETL listed (UL Standard 444)
- RoHS Compliant Directive 2002/95/EC



Data subject to change without notice.

## Product Construction:

### Conductors:

- Bare copper per ASTM B-3

### Insulation/Core:

- Foam Polyethylene (PE)

### Shield:

- Bare copper braid

## Jacket:

- Black non-plenum zero-halogen Polyolefin

## Packaging:

- Please contact Customer Service for packaging and color options

| CATALOG<br>NUMBER                                                                                                                                                          | AWG SIZE<br>NOM.<br>DCR                      | INSULATION<br>MATERIAL |    | SHIELD<br>COVERAGE<br>NOM SHLD<br>DCR | NOMINAL<br>O.D.                                |    | NOMINAL<br>CAPACITANCE |       | VELOCITY OF<br>PROPAGATION,<br>% | NOMINAL<br>IMPEDANCE,<br>Ω | NOMINAL<br>ATTENUATION |         |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------|----|---------------------------------------|------------------------------------------------|----|------------------------|-------|----------------------------------|----------------------------|------------------------|---------|--|--|--|--|--|
|                                                                                                                                                                            |                                              | INCHES                 | mm |                                       | INCHES                                         | mm | pF/ft                  | pF/m  |                                  |                            | MHz                    | dB/100' |  |  |  |  |  |
| <b>C114217F</b><br><b>RG 59/U Type</b><br><b>(ETL) CL2,</b><br><b>c(ETL)us CM</b><br><br> | 20 AWG<br>Solid Bare<br>Copper<br>10.1 Ω/Mft | Foam PE                |    | 95% Bare<br>Copper Braid<br>3.0 Ω/Mft | Black Non-Plenum<br>Zero-Halogen<br>Polyolefin |    | 16.20                  | 53.15 | 82                               | 75                         | 1                      | 0.25    |  |  |  |  |  |
|                                                                                                                                                                            |                                              |                        |    |                                       |                                                |    |                        |       |                                  |                            | 10                     | 0.78    |  |  |  |  |  |
|                                                                                                                                                                            |                                              | 0.146 3.71             |    |                                       |                                                |    |                        |       |                                  |                            | 50                     | 1.97    |  |  |  |  |  |
|                                                                                                                                                                            |                                              |                        |    |                                       |                                                |    |                        |       |                                  |                            | 100                    | 2.79    |  |  |  |  |  |
|                                                                                                                                                                            |                                              |                        |    |                                       |                                                |    |                        |       |                                  |                            | 200                    | 3.97    |  |  |  |  |  |
|                                                                                                                                                                            |                                              |                        |    |                                       |                                                |    |                        |       |                                  |                            | 500                    | 6.35    |  |  |  |  |  |
|                                                                                                                                                                            |                                              |                        |    |                                       |                                                |    |                        |       |                                  |                            | 1000                   | 9.15    |  |  |  |  |  |
|                                                                                                                                                                            |                                              |                        |    |                                       |                                                |    |                        |       |                                  |                            | 1450                   | 11.02   |  |  |  |  |  |
|                                                                                                                                                                            |                                              |                        |    |                                       |                                                |    |                        |       |                                  |                            | 1800                   | 12.28   |  |  |  |  |  |
|                                                                                                                                                                            |                                              |                        |    |                                       |                                                |    |                        |       |                                  |                            | 2200                   | 13.57   |  |  |  |  |  |
| 3000                                                                                                                                                                       | 15.84                                        |                        |    |                                       |                                                |    |                        |       |                                  |                            |                        |         |  |  |  |  |  |

## Product Construction:

### Conductors:

- Bare copper per ASTM B-3
- Twisted pair color code: black and red

### Insulation/Core:

- Coax: Foam Polyethylene (PE)
- Twisted Pair: zero-halogen Polyolefin

## Shield:

- Bare copper

## Jacket:

- Black non-plenum zero-halogen Polyolefin

## Packaging:

- Please contact Customer Service for packaging and color options

| CATALOG<br>NUMBER                                                                                                                                                                                  | AWG SIZE<br>NOM.<br>DCR                | INSULATION<br>MATERIAL                            |    | SHIELD<br>COVERAGE       | NOMINAL<br>O.D.                                |                    | NOMINAL<br>CAPACITANCE |       | VELOCITY OF<br>PROPAGATION, | NOMINAL<br>IMPEDANCE, | NOMINAL<br>ATTENUATION |         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------------------|----|--------------------------|------------------------------------------------|--------------------|------------------------|-------|-----------------------------|-----------------------|------------------------|---------|
|                                                                                                                                                                                                    |                                        | INCHES                                            | mm | NOM SHLD<br>DCR          | INCHES                                         | mm                 | pF/ft                  | pF/m  | %                           | Ω                     | MHz                    | dB/100' |
| <div>C802817F<br/>RG 59/U Type<br/>+18 AWG<br/>Unshielded Pair<br/>(ETL) CL2,<br/>c(ETL)us CM</div> <div></div> | 20 AWG<br>Solid Bare<br>Copper<br>Coax | Foam PE                                           |    | 95% Bare<br>Copper Braid | Black Non-Plenum<br>Zero-Halogen<br>Polyolefin |                    | 16.20                  | 53.15 | 82                          | 75                    | 1                      | 0.25    |
|                                                                                                                                                                                                    |                                        |                                                   |    |                          |                                                |                    |                        |       |                             |                       | 10                     | 0.78    |
|                                                                                                                                                                                                    |                                        |                                                   |    |                          |                                                |                    |                        |       |                             |                       | 50                     | 1.97    |
|                                                                                                                                                                                                    | 18 AWG<br>(7/26)<br>Unshielded<br>Pair | Black<br>Non-Plenum<br>Zero-Halogen<br>Polyolefin |    | Unshielded<br>Pair       | 0.236<br>x<br>0.440                            | 5.99<br>x<br>11.18 |                        |       |                             |                       | 100                    | 2.79    |
|                                                                                                                                                                                                    |                                        |                                                   |    |                          |                                                |                    |                        |       |                             |                       | 200                    | 3.97    |
| 500                                                                                                                                                                                                |                                        |                                                   |    |                          |                                                |                    |                        |       |                             |                       | 6.35                   |         |
|                                                                                                                                                                                                    | 0.010                                  | 0.250                                             |    |                          |                                                |                    |                        |       |                             | 1000                  | 9.15                   |         |



## Going Green with General Cable

General Cable has accelerated its environmental commitment, addressing its green alternative approach by identifying greener opportunities and promoting green cabling solutions wherever feasible. This includes promoting our existing green products, partnering with key customers in their green endeavors, identifying and providing for green product gaps, and participating as a member of the United States Green Building Council (USGBC) and collaborative ventures such as the Green Suppliers Network (GSN).



4 Tesseneer Drive, Highland Heights, Kentucky 41076-9753

GENERAL CABLE, 17 FREE, CAROL BRAND and TRU-MARK are trademarks of General Cable Technologies Corporation.

©2011, General Cable Technologies Corporation. Highland Heights, KY 41076  
All rights reserved.

Printed in USA



Phone: 1.888.295.5896

Fax: 1.800.547.8249

info@generalcable.com

www.generalcable.com

Form No. CAR-0136-0311

39606