

# 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) or foam fluoropolymer (FEP)

**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<br>NOM. DCR   | INSULATION MATERIAL |      | SHIELD COVERAGE<br>NOM SHLD DCR        | NOMINAL O.D.             |      | NOMINAL CAPACITANCE |       | VELOCITY OF PROPAGATION,<br>% | NOMINAL IMPEDANCE,<br>Ω | NOMINAL ATTENUATION |         |
|--|--|---------------------|------|--|--------------------------|------|---------------------|-------|-------------------------------|-------------------------|---------------------|---------|
|  |  | INCHES              | mm   |  | INCHES                   | mm   | pF/ft               | pF/m  |                               |                         | MHz                 | dB/100' |
| <b>C1102</b><br><b>RG 59/U Type</b><br>   | 20 Ga. Solid<br>Copper-Clad<br>Steel<br>45.9 Ω/Mft.            | Foam PE             |      | 95% Bare<br>Copper Braid<br>3.5 Ω/Mft. | Black PE                 |      | 17.30               | 56.76 | 82                            | 75                      | 1                   | 0.26    |
|  |  | 0.146               | 3.71 |  | 0.242                    | 6.15 |                     |       |                               |                         | 10                  | 0.82    |
| <b>C1104</b><br><b>RG 59/U Type</b><br>   | 22 Ga. Solid<br>Copper-Clad<br>Steel<br>73.4 Ω/Mft.            | Solid PE            |      | 95% Bare<br>Copper Braid<br>2.6 Ω/Mft. | PVC                      |      | 20.50               | 67.26 | 66                            | 73                      | 1                   | 0.41    |
|  |  | 0.146               | 3.71 |  | 0.242                    | 6.15 |                     |       |                               |                         | 10                  | 0.99    |
| <b>C1135</b><br><b>RG 59/U Type</b><br><b>UL CL2, CATV, CM</b><br><b>CSA CMG</b><br>                  | 22 Ga. Solid<br>Copper-Clad<br>Steel<br>73.4 Ω/Mft.            | Foam PE             |      | 95% Bare<br>Copper Braid<br>2.6 Ω/Mft. | PVC                      |      | 16.30               | 53.48 | 78                            | 80                      | 1                   | 0.42    |
|  |  | 0.146               | 3.71 |  | 0.242                    | 6.15 |                     |       |                               |                         | 10                  | 0.92    |
| <b>C1103†</b><br><b>RG 59/U Type</b><br><b>UL CL2, CATV, CM</b><br><b>CSA CMG</b><br>                 | 22 Ga.<br>(7/30)<br>Bare Copper<br>14.8 Ω/Mft.                 | Foam PE             |      | 95% Bare<br>Copper Braid<br>2.6 Ω/Mft. | PVC                      |      | 17.00               | 55.78 | 78                            | 76                      | 1                   | 0.26    |
|  |  | 0.146               | 3.71 |  | 0.242                    | 6.15 |                     |       |                               |                         | 10                  | 0.91    |
| <b>C1142†</b><br><b>RG 59/U Type</b><br><b>UL CL2, CATV, CM CSA</b><br><b>CMG</b><br>                 | 20 Ga. Solid<br>Bare Copper<br>10.1 Ω/Mft.                     | Foam PE             |      | 95% Bare<br>Copper Braid<br>2.6 Ω/Mft. | PVC                      |      | 16.20               | 53.15 | 78                            | 71                      | 1                   | 0.25    |
|  |  | 0.146               | 3.71 |  | 0.234                    | 5.94 |                     |       |                               |                         | 10                  | 0.78    |
| <b>C1106</b><br><b>RG 59/U Type</b><br><b>MIL-C-17D Type</b><br>                                      | 23 Ga. Solid<br>Copper-Clad<br>Steel<br>68.5 Ω/Mft.            | Solid PE            |      | 95% Bare<br>Copper Braid<br>2.6 Ω/Mft. | Non-Contaminating<br>PVC |      | 21.00               | 68.90 | 66                            | 73                      | 1                   | 0.44    |
|  |  | 0.146               | 3.71 |  | 0.242                    | 6.15 |                     |       |                               |                         | 10                  | 1.02    |
| <b>C8030†</b><br><b>RG 59/U Type</b><br><b>+18 AWG Unshielded Pair</b><br><b>UL CMP c(UL) CMP</b><br> | 20 AWG Solid<br>BC Coax<br>18 AWG (7/26)<br>Unshielded<br>Pair | FEP                 |      | 95% Bare<br>Copper Braid               | Flexguard® PVC           |      | 16.30               | 53.48 | 83                            | 75                      | 1                   | 0.78    |
|  |  | 0.135               | 3.43 |  | 0.200                    | 5.08 |                     |       |                               |                         | 10                  | 1.90    |
|  |  | PVC                 |      | Unshielded<br>Pair                     | X                        | X    |                     |       |                               |                         | 100                 | 2.80    |
|  |  | 0.006               | 0.15 |  | 0.383                    | 9.73 |                     |       |                               |                         | 200                 | 4.10    |
|  |  |                     |      |  |                          |      |                     |       |                               |                         | 500                 | 6.82    |
|  |  |                     |      |  |                          |      |                     |       |                               |                         | 1000                | 9.64    |

Data subject to change.

