

# RG 59/U Type

## Product Construction:

### Conductors:

- Copper-clad steel per ASTM B-869

### Insulation/Core:

- Foam polyethylene (PE) design

### 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
- See Coax Connector Cross Reference, pages 192-199

| CATALOG<br>NUMBER                                                                                                                                                                                            | AWG<br>SIZE<br>NOM. DCR                             | INSULATION<br>MATERIAL |      | SHIELD<br>COVERAGE<br>NOM SHLD 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>C5770</b><br><b>RG 59/U Type</b><br><b>UL CL2, CATV, CM</b><br><b>CSA CMG</b><br><b>1354</b><br>                         | 22 Ga. Solid<br>Copper-Clad<br>Steel<br>73.4 Ω/Mft. | Foam PE                |      | 100% Flexfoil®<br>Bonded + 40%<br>Aluminum<br>Braid<br>11.0 Ω/Mft.                     | Black PVC       |      | 16.00                  | 52.50 | 78                               | 80                         | 1                      | 0.50    |
|                                                                                                                                                                                                              |                                                     | 0.144                  | 3.66 |                                                                                        | 0.231           | 5.87 |                        |       |                                  |                            | 10                     | 1.00    |
| <b>C5780</b><br><b>RG 59/U Type</b><br><b>MATV</b><br><b>UL CL2, CATV, CM</b><br><b>CSA CMG</b><br><b>1354</b><br>        | 20 Ga. Solid<br>Copper-Clad<br>Steel<br>45.9 Ω/Mft. | Foam PE                |      | 100% Flexfoil®<br>Bonded + 40%<br>Aluminum<br>Braid<br>11.0 Ω/Mft.                     | Black PVC       |      | 16.20                  | 53.15 | 85                               | 75                         | 50                     | 1.95    |
|                                                                                                                                                                                                              |                                                     | 0.144                  | 3.66 |                                                                                        | 0.234           | 5.94 |                        |       |                                  |                            | 100                    | 2.70    |
| <b>C5830</b><br><b>RG 59/U Type</b><br><b>Tri-Shield</b><br><b>UL CL2, CATV, CM</b><br><b>c(UL) CM</b><br>                | 20 Ga. Solid<br>Copper-Clad<br>Steel<br>45.9 Ω/Mft. | Foam PE                |      | 100% Flexfoil®<br>Bonded + 95%<br>Aluminum<br>Braid +<br>100% Flexfoil®<br>3.0 Ω/Mft.  | Black PVC       |      | 16.20                  | 53.15 | 85                               | 75                         | 100                    | 2.70    |
|                                                                                                                                                                                                              |                                                     | 0.144                  | 3.66 |                                                                                        | 0.242           | 6.15 |                        |       |                                  |                            | 200                    | 3.70    |
| <b>C5784</b><br><b>RG 59/U Type</b><br><b>Quad-Shield</b><br><b>UL CL2, CATV, CM</b><br><b>CSA CMG</b><br><b>1354</b><br> | 20 Ga. Solid<br>Copper-Clad<br>Steel<br>45.9 Ω/Mft. | Foam PE                |      | 100% Flexfoil®<br>1st Bonded<br>(1) 67%<br>(2) 46%<br>Aluminum<br>Braids<br>4.1 Ω/Mft. | Black PVC       |      | 16.20                  | 53.15 | 85                               | 75                         | 1000                   | 8.12    |
|                                                                                                                                                                                                              |                                                     | 0.144                  | 3.66 |                                                                                        | 0.270           | 6.86 |                        |       |                                  |                            | 3000                   | 14.06   |