

# RG 59/U Type

## Product Construction:

### Conductors:

- Copper per ASTM B-3
- Copper-clad steel per ASTM B-869
- Twisted pair color code: black and red

### Insulation/Core:

- Solid and foam polyethylene (PE) designs

### Shield:

- Tinned, 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†
- Local Area Network
- Monitor/VDT display
- Analog video
- Digital video
- 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>C1110</b><br><b>RG 59/U Type</b><br><b>1354</b><br>                                                                   | 22 Ga. Solid<br>Copper-Clad<br>Steel<br>73.4 Ω/Mft. | Solid PE               |      | 70% Bare<br>Copper Braid<br>4.5 Ω/Mft. | Black PVC       |            | 22.00                  | 72.18 | 66                               | 73                         | 1                      | 0.41    |
|                                                                                                                                                                                                           |                                                     | 0.146                  | 3.71 |                                        | 0.242           | 6.15       |                        |       |                                  |                            | 10                     | 0.99    |
| <b>C1112</b><br><b>RG 59/U Type</b><br>                                                                                  | 22 Ga. Solid<br>Copper-Clad<br>Steel<br>73.4 Ω/Mft. | Foam PE                |      | 70% Bare<br>Copper Braid<br>4.5 Ω/Mft. | Black PVC       |            | 16.30                  | 53.48 | 78                               | 80                         | 50                     | 2.38    |
|                                                                                                                                                                                                           |                                                     | 0.146                  | 3.71 |                                        | 0.242           | 6.15       |                        |       |                                  |                            | 100                    | 3.49    |
| <b>C8025†</b><br><b>RG 59/U Type</b><br><b>+22 AWG Shielded Pair</b><br><b>UL CL2, CATV, CM</b><br><b>c(UL) CM</b><br> | 22 AWG<br>(7/30) Bare<br>Copper Coax                | Foam PE                |      | 95% Bare<br>Copper Braid               | Black PVC       |            | 17.00                  | 57.78 | 78                               | 76                         | 1                      | 0.26    |
|                                                                                                                                                                                                           |                                                     | 0.144                  | 3.66 |                                        | 0.242<br>X      | 6.147<br>X |                        |       |                                  |                            | 50                     | 0.91    |
| <b>C8025†</b><br><b>RG 59/U Type</b><br><b>+22 AWG Shielded Pair</b><br><b>UL CL2, CATV, CM</b><br><b>c(UL) CM</b><br> | 22 AWG (7/30)<br>Shielded Pair                      | Premium PVC            |      | 100% Flexfoil®<br>Al/PP Shielded       | Black PVC       |            | 17.00                  | 57.78 | 78                               | 76                         | 100                    | 3.00    |
|                                                                                                                                                                                                           |                                                     | 0.013                  | 0.33 |                                        | 0.445           | 11.30      |                        |       |                                  |                            | 500                    | 7.03    |
| <b>C8025†</b><br><b>RG 59/U Type</b><br><b>+22 AWG Shielded Pair</b><br><b>UL CL2, CATV, CM</b><br><b>c(UL) CM</b><br> | 22 AWG (7/30)<br>Shielded Pair                      | Premium PVC            |      | 100% Flexfoil®<br>Al/PP Shielded       | Black PVC       |            | 17.00                  | 57.78 | 78                               | 76                         | 1000                   | 10.64   |
|                                                                                                                                                                                                           |                                                     | 0.013                  | 0.33 |                                        | 0.445           | 11.30      |                        |       |                                  |                            | 1000                   | 10.64   |