

# RG 59/U Serial Digital Interface Cable

75 Ohm High-End Coaxial Cables for Video, Analog & Digital Applications

## Product Construction:

### Conductors:

- Copper per ASTM B3

### Insulation/Core:

- Foam polyethylene (PE)
- Foam fluoropolymer (FEP)

### Shield:

- Tinned copper braid
- Flexfoil® shield

### Jacket:

- Premium PVC compound

### Packaging:

- Please contact Customer Service for packaging and color options

## Applications:

- Suitable for RF signal transmission
- Broadcast-grade
- MATV
- CATV
- Precision video-analog/digital
- Serial digital interface cable (SDI)

| 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' |
| 395025<br>RG 59/U Type<br>UL CMR<br>c(UL) CMG<br>    | 20 Ga.<br>Solid Bare<br>Copper<br>10.5 Ω/Mft. | Foam PE                |      | Bi-Metal Foil<br>+95% Tinned<br>Copper Braid<br>Shield<br>3.5 Ω/Mft. | Flame-Retardant<br>PVC |      | 16.30                  | 53.40 | 83                               | 75                         | 1                      | 0.29    |
|                                                                                                                                       |                                               | 0.146                  | 3.71 |                                                                      | 0.242                  | 6.15 |                        |       |                                  |                            | 135                    | 2.70    |
| 495023<br>RG 59/U Type<br>UL CMP<br>c(UL) CMP<br>    | 20 Ga.<br>Solid Bare<br>Copper<br>10.5 Ω/Mft. | Fluoropolymer          |      | Bi-Metal Foil<br>+95% Tinned<br>Copper Braid<br>Shield<br>3.2 Ω/Mft. | Flexguard® PVC         |      | 16.10                  | 53.00 | 84                               | 75                         | 1                      | 0.29    |
|                                                                                                                                       |                                               | 0.135                  | 3.43 |                                                                      | 0.199                  | 5.05 |                        |       |                                  |                            | 10                     | 1.03    |
| 495028†<br>RG 59/U Type<br>UL CMP<br>c(UL) CMP<br> | 20 Ga.<br>Solid Bare<br>Copper<br>10.5 Ω/Mft. | Fluoropolymer          |      | 95% Bare<br>Copper Braid<br>Shield<br>2.7 Ω/Mft.                     | Flexguard® PVC         |      | 16.00                  | 52.50 | 84                               | 75                         | 1                      | 0.24    |
|                                                                                                                                       |                                               | 0.139                  | 3.43 |                                                                      | 0.197                  | 5.00 |                        |       |                                  |                            | 50                     | 1.83    |
|                                                                                                                                       |                                               |                        |      |                                                                      |                        |      |                        |       |                                  |                            | 100                    | 2.64    |
|                                                                                                                                       |                                               |                        |      |                                                                      |                        |      |                        |       |                                  |                            | 200                    | 3.84    |
|                                                                                                                                       |                                               |                        |      |                                                                      |                        |      |                        |       |                                  |                            | 400                    | 5.64    |

Data subject to change.