

# RG 59/U Type

## Product Construction:

### Conductors:

- Copper clad steel per ASTM B-869

### Insulation/Core:

- Foamed polyethylene designs

### Shield:

- Aluminum braid
- Flexfoil® shield

### Jacket:

- Premium PVC compound

### Packaging:

- 1000' (305 m) Reels
- 1000' (305 m) Pull-Pac® Cartons
- Other put-ups available – consult Customer Service

## Applications:

- Suitable for RF signal transmission
- CATV
- MATV
- Drop Cable
- Local Area Network
- Citizen band radio
- Monitor/VDI Display
- See Coaxial Cable Product Finder, page 184-185

| 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'                                              |
| C5770 -<br>RG 59/U Type<br>NEC CL2, CATV, CM<br>CEC CM<br> 1354<br>                  | 22 Ga.<br>Solid<br>Copper<br>Clad Steel<br>73.4 Ω/M | Cellular<br>Polyethylene<br>0.144 3.66 |    | 100% Flexfoil®<br>Bonded<br>+40%<br>Aluminum Braid<br>11.0 Ω/M                       | Black PVC<br>0.231 5.87 |    | 16.00                  | 52.50 | 78                               | 80                         | 1<br>10<br>50<br>100<br>200<br>500<br>1000 | 0.50<br>1.00<br>2.30<br>3.30<br>4.10<br>6.50<br>9.40 |
| C5780<br>RG 59/U Type<br>MATV<br>NEC CL2, CATV, CM<br>CEC CM<br>                                                                                                      | 20 Ga.<br>Solid<br>Copper<br>Clad Steel<br>45.9 Ω/M | Cellular<br>Polyethylene<br>0.144 3.66 |    | 100% Flexfoil®<br>Bonded<br>+40%<br>Aluminum Braid<br>11.0 Ω/M                       | Black PVC<br>0.234 5.94 |    | 16.20                  | 53.15 | 85                               | 75                         | 1<br>10<br>50<br>100<br>200<br>500<br>1000 | 0.60<br>1.20<br>1.95<br>2.70<br>3.70<br>5.70<br>8.12 |
| C5782<br>RG 59/U Type<br>NEC CL2, CATV, CM<br>CEC CM<br> 1354<br>                | 20 Ga.<br>Solid<br>Copper<br>Clad Steel<br>45.9 Ω/M | Cellular<br>Polyethylene<br>0.144 3.66 |    | 100% Flexfoil®<br>Bonded<br>+67%<br>Aluminum Braid<br>9.7 Ω/M                        | Black PVC<br>0.234 5.94 |    | 16.20                  | 53.15 | 85                               | 75                         | 1<br>10<br>50<br>100<br>200<br>500<br>1000 | 0.60<br>1.20<br>1.95<br>2.70<br>3.70<br>5.70<br>8.12 |
| C5832<br>RG 59/U Type<br>NEC CL2, CATV, CM<br>CEC CM<br>                                                                                                            | 20 Ga.<br>Solid<br>Copper<br>Clad Steel<br>45.9 Ω/M | Cellular<br>Polyethylene<br>0.144 3.66 |    | 100% Flexfoil®<br>Bonded<br>+95%<br>Aluminum Braid<br>4.1 Ω/M                        | Black PVC<br>0.237 6.02 |    | 16.20                  | 53.15 | 85                               | 75                         | 1<br>10<br>50<br>100<br>200<br>500<br>1000 | 0.60<br>1.20<br>1.95<br>2.70<br>3.70<br>5.70<br>8.12 |
| C5830<br>RG 59/U Type<br>Tri-Shield<br>NEC CL2, CATV, CM<br>CEC CM<br>                                                                                              | 20 Ga.<br>Solid<br>Copper<br>Clad Steel<br>45.9 Ω/M | Cellular<br>Polyethylene<br>0.144 3.66 |    | 100% Flexfoil®<br>Bonded<br>+95%<br>Aluminum Braid<br>+100% Flexfoil®<br>3.6 Ω/M     | Black PVC<br>0.242 6.15 |    | 16.20                  | 53.15 | 85                               | 75                         | 1<br>10<br>50<br>100<br>200<br>500<br>1000 | 0.60<br>1.20<br>1.95<br>2.70<br>3.70<br>5.70<br>8.12 |
| C5784<br>RG 59/U Type<br>Quad-Shield<br>NEC CL2, CATV, CM<br>CEC CM<br> 1354<br> | 20 Ga.<br>Solid<br>Copper<br>Clad Steel<br>45.9 Ω/M | Cellular<br>Polyethylene<br>0.144 3.66 |    | (2) 100% Flexfoil®<br>1st Bonded<br>(1) 67%<br>(1) 46%<br>Aluminum Braids<br>4.1 Ω/M | Black PVC<br>0.270 6.86 |    | 16.20                  | 53.15 | 85                               | 75                         | 1<br>10<br>50<br>100<br>200<br>500<br>1000 | 0.60<br>1.20<br>1.95<br>2.70<br>3.70<br>5.70<br>8.12 |