

# RG 6/U Type

**Product Construction:**

**Conductors:**

- Copper per ASTM B3 or copper-clad steel per ASTM B869
- Twisted pair color code: black and red

**Insulation/Core:**

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

**Shield:**

- Tinned copper or aluminum braid
- Flexfoil® shield

**Jacket:**








- Premium-grade PVC compound
- Flexguard® PVC compound

**Packaging:**

- Please contact Customer Service for packaging and color options

**Applications:**

- Suitable for RF signal transmission
- CATV
- CCTV+
- DBS
- Drop cable
- FM broadcast
- HDTV
- Digital video

| 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 |                 |
|--|---|--|-----------------|---|----------------|-------|---------------------|-------|-------------------------------|-------------------------|---------------------|-----------------|
|  |   | in                                     | mm              |   | in             | mm    | pF/ft               | pF/m  |                               |                         | MHz                 | dB/100'         |
| C5778<br>RG 6/U Type<br>UL CL2, CATV, CM<br>c(UL) CM<br>                            | 18 Ga.<br>Solid Bare<br>Copper<br>6.5 Ω/Mft.            | Foam PE                                |                 | 100% Flexfoil®<br>Bonded<br>+61%<br>Tinned Copper<br>Braid<br>6.5 Ω/Mft.        | PVC            |       | 16.20               | 53.15 | 83                            | 75                      | 1                   | 0.26            |
|  |   | 0.180                                  | 4.57            |   | 0.275          | 6.98  |                     |       |                               |                         | 10                  | 0.81            |
| C3523<br>RG 6/U Type<br>Plenum<br>UL CL2P, CMP<br>c(UL) CMP<br>                     | 18 Ga.<br>Solid Bare<br>Copper<br>6.5 Ω/Mft.            | Fluoropolymer                          |                 | 100% Flexfoil®<br>+80%<br>Tinned Copper<br>Braid<br>2.3 Ω/Mft.                  | Flexguard® PVC |       | 16.40               | 52.50 | 83                            | 75                      | 1                   | 0.30            |
|  |   | 0.170                                  | 4.32            |   | 0.232          | 5.89  |                     |       |                               |                         | 10                  | 0.66            |
| C3521<br>RG 6/U Type<br>Plenum<br>UL CL2P, CMP<br>c(UL) CMP<br>                   | 18 Ga.<br>Solid Bare<br>Copper<br>6.5 Ω/Mft.            | Fluoropolymer                          |                 | Flexfoil® Bonded<br>+95%<br>Tinned Copper<br>Braid<br>2.3 Ω/Mft.                | Flexguard® PVC |       | 16.00               | 52.50 | 83                            | 75                      | 1                   | 0.30            |
|  |   | 0.170                                  | 4.32            |   | 0.232          | 5.89  |                     |       |                               |                         | 10                  | 0.66            |
| C3524<br>RG 6/U Type<br>Plenum<br>UL CL2P, CMP<br>c(UL) CMP<br>                   | 18 Ga.<br>Solid<br>Copper-<br>Clad Steel<br>28.6 Ω/Mft. | Fluoropolymer                          |                 | Flexfoil® Bonded<br>+80%<br>Aluminum Braid<br>9.0 Ω/Mft.                        | Flexguard® PVC |       | 16.00               | 52.50 | 83                            | 75                      | 1                   | 0.30            |
|  |   | 0.170                                  | 4.32            |   | 0.232          | 5.89  |                     |       |                               |                         | 10                  | 0.66            |
| C3525<br>RG 6/U Type<br>Quad Shield<br>Plenum<br>UL CL2P, CMP<br>c(UL) CMP<br>    | 18 Ga.<br>Solid<br>Copper-<br>Clad Steel<br>28.6 Ω/Mft. | Fluoropolymer                          |                 | (2) 100%<br>Flexfoil®<br>(1) 60%<br>(2) 40%<br>Aluminum<br>Braids<br>5.3 Ω/Mft. | Flexguard® PVC |       | 16.00               | 52.50 | 83                            | 75                      | 1                   | 0.30            |
|  |   | 0.170                                  | 4.32            |   | 0.264          | 6.70  |                     |       |                               |                         | 10                  | 0.66            |
| C8029†<br>RG 6/U Type<br>+18 AWG<br>Unshielded Pair<br>UL CL2, CM<br>c(UL) CM<br> | 18 Ga.<br>Solid Bare<br>Copper<br>Coax                  | Foam PE                                |                 | 100% Flexfoil®<br>95% Bare<br>Copper Braid<br>1.9 Ω/Mft.                        | PVC            |       | 16.20               | 53.15 | 83                            | 75                      | 1                   | 0.20            |
|  |   | 0.180                                  | 4.57            |   | 0.270          | 6.86  |                     |       |                               |                         | 10                  | 0.72            |
|  |   | Premium PVC                            |                 |   | 0.493          | 12.52 |                     |       |                               |                         | 100                 | 2.01            |
| 18 AWG<br>(7/26)<br>Unshielded<br>Pair   | 0.010   | 0.25                                   | Unshielded Pair | 200   |                |       | 2.70                |       |                               |                         |                     |                 |
| C8031†<br>RG 6/U Type<br>+18 AWG<br>Unshielded Pair<br>UL CMP<br>c(UL) CMP<br>    | 18 AWG<br>Solid Bare<br>Copper<br>Coax                  | Fluoropolymer                          |                 | 95% Bare<br>Copper<br>Braid<br>3.5 Ω/Mft.                                       | Flexguard® PVC |       | 16.30               | 53.48 | 83                            | 75                      | 1                   | 0.30            |
|  |   | 0.170                                  | 0.432           |   | 0.232          | 5.89  |                     |       |                               |                         | 10                  | 0.66            |
|  |   | Halar                                  |                 |   | 0.416          | 10.57 |                     |       |                               |                         | 100                 | 2.10            |
|  |   | 18 AWG<br>(7/26)<br>Unshielded<br>Pair | 0.006           |   |                |       |                     |       |                               |                         | 0.15                | Unshielded Pair |
|  |   |  |                 |   |                |       |                     |       |                               |                         | 500                 | 5.00            |
|  |   |  |                 |   |                |       |                     |       |                               |                         | 1000                | 7.30            |

Data subject to change.

