

# RG 58/U Type

## Product Construction:

### Conductors:

- Copper per ASTM B-3
- Tinned copper per ASTM B-33

### Insulation/Core:

- Solid and foam polyethylene (PE) designs
- Solid and foam fluoropolymer (FEP) design

### Shield:

- Tinned copper braid

### Jacket:

- Premium PVC compound

### Packaging:

- Please contact Customer Service for packaging and color options

## Applications:

- Suitable for RF signal transmission
- Broadcast
- LAN & data transmission
- See Coax Connector Cross Reference, pages 192-199

| CATALOG NUMBER                                                                                                                                                                         | AWG SIZE<br>NOM. DCR                                            | INSULATION MATERIAL |      | SHIELD COVERAGE<br>NOM SHLD DCR                  | NOMINAL O.D.                   |      | NOMINAL CAPACITANCE |        | VELOCITY OF PROPAGATION, % | NOMINAL IMPEDANCE, $\Omega$ | NOMINAL ATTENUATION |         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------|------|--------------------------------------------------|--------------------------------|------|---------------------|--------|----------------------------|-----------------------------|---------------------|---------|
|                                                                                                                                                                                        |                                                                 | INCHES              | mm   |                                                  | INCHES                         | mm   | pF/ft               | pF/m   |                            |                             | MHz                 | dB/100' |
| <b>C1117</b><br><b>RG 58/U Type</b><br>                                                               | 20 Ga.<br>Solid Bare<br>Copper<br>10.1 $\Omega$ /Mft.           | Solid PE            |      | 70% Tinned<br>Copper Braid<br>6.0 $\Omega$ /Mft. | Black PVC                      |      | 28.50               | 93.51  | 66                         | 53                          | 1                   | 0.40    |
|                                                                                                                                                                                        |                                                                 | 0.116               | 2.95 |                                                  | 0.195                          | 4.95 |                     |        |                            |                             | 10                  | 1.20    |
| <b>C1155</b><br><b>RG 58 C/U Type</b><br><b>MIL-C-17G Type</b><br>                                    | 20 Ga.<br>(19/.0071)<br>Tinned<br>Copper<br>10.8 $\Omega$ /Mft. | Solid PE            |      | 95% Tinned<br>Copper Braid<br>4.3 $\Omega$ /Mft. | Non-Contaminating<br>Black PVC |      | 30.80               | 101.05 | 66                         | 50                          | 1                   | 0.42    |
|                                                                                                                                                                                        |                                                                 | 0.116               | 2.95 |                                                  | 0.195                          | 4.95 |                     |        |                            |                             | 10                  | 1.50    |
| <b>C1166</b><br><b>RG 58/U Type</b><br><b>JAN-C-17A Type</b><br>                                    | 20 Ga.<br>Solid Bare<br>Copper<br>10.1 $\Omega$ /Mft.           | Solid PE            |      | 95% Tinned<br>Copper Braid<br>4.3 $\Omega$ /Mft. | Black PVC                      |      | 30.00               | 98.43  | 66                         | 50                          | 1                   | 0.40    |
|                                                                                                                                                                                        |                                                                 | 0.116               | 2.95 |                                                  | 0.195                          | 4.95 |                     |        |                            |                             | 10                  | 1.20    |
| <b>C1178</b><br><b>RG 58A/U Type</b><br><b>JAN-C-17A Type</b><br>                                   | 20 Ga.<br>(19/.0071)<br>Tinned<br>Copper<br>10.8 $\Omega$ /Mft. | Solid PE            |      | 95% Tinned<br>Copper Braid<br>4.3 $\Omega$ /Mft. | Black PVC                      |      | 31.80               | 104.34 | 66                         | 50                          | 1                   | 0.42    |
|                                                                                                                                                                                        |                                                                 | 0.116               | 2.95 |                                                  | 0.195                          | 4.95 |                     |        |                            |                             | 10                  | 1.50    |
| <b>C1188</b><br><b>RG 58 A/U Type</b><br><b>UL CL2, CM</b><br><b>CSA CMG</b><br>                    | 20 Ga.<br>(19/.032)<br>Tinned<br>Copper<br>9.5 $\Omega$ /Mft.   | Foam PE             |      | 95% Tinned<br>Copper Braid<br>4.3 $\Omega$ /Mft. | Black PVC                      |      | 26.00               | 85.31  | 78                         | 50                          | 1                   | 0.45    |
|                                                                                                                                                                                        |                                                                 | 0.114               | 2.90 |                                                  | 0.195                          | 4.95 |                     |        |                            |                             | 10                  | 1.42    |
| <b>C3519</b><br><b>RG 58/U Type</b><br><b>Plenum</b><br><b>UL CL2P, CMP</b><br><b>c(UL) CMP</b><br> | 19 Ga.<br>Solid Bare<br>Copper<br>8.1 $\Omega$ /Mft.            | Fluoropolymer       |      | 95% Tinned<br>Copper Braid<br>2.9 $\Omega$ /Mft. | Flexguard® PVC<br>Natural      |      | 25.00               | 82.00  | 82                         | 50                          | 1                   | 0.40    |
|                                                                                                                                                                                        |                                                                 | 0.102               | 2.59 |                                                  | 0.161                          | 4.09 |                     |        |                            |                             | 10                  | 1.30    |