

RG58

Low Cost

Features:
* Low Cost

Applications:
* Telecom
* Interconnect between equipment

Electrical

| | |
|--------------------------|----------|
| Frequency: | DC~3GHz |
| Impedance: | 50Ω |
| Velocity of Propagation: | 66% |
| Voltage Withstand: | 1500V DC |
| Capacitance: | 100pF/m |

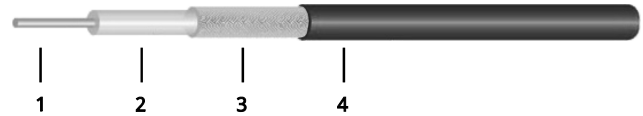
Mechanical

| | |
|--------------|------|
| Bend Radius: | 25mm |
|--------------|------|

Environmental

| | |
|--------------|-----------|
| Temperature: | -20~+80°C |
|--------------|-----------|

Construction



| No. | Name | Size (mm) | Material |
|-----|-----------------|-----------|----------------------|
| 1 | Inner Conductor | 1/0.9 | Silver-plated copper |
| 2 | Dielectric | 2.95 | PE |
| 3 | Inner Shield | 112*0.12 | Bare copper |
| 4 | Outer Shield | 5 | PVC |

Attenuation

| Frequency (GHz) | 0.2 | 0.4 | 0.9 | 1.8 | 2 | 2.5 | 3 |
|-------------------------|------|------|------|-----|------|------|-------|
| Attenuation*1 (dB/100m) | 25.2 | 36.4 | 53.2 | 76 | 80.5 | 96.2 | 117.6 |

[1] VSWR:1.0; Ambient: +20°C (68°F)

How To Order

RG58-X-Y-Z

X: Frequency in GHz

Y: Connector type

Z: Length in meters

Examples:

To order a RG58 cable assembly, DC-3GHz, SMA male to SMA female, 500 meter, specify RG58-3-SSF-500.

Connector naming rules:

S - SMA (3GHz, VSWR 1.3)

X - MMCX (3GHz, VSWR 1.3)

M - MCX (3GHz, VSWR 1.3)

B - BNC (3GHz, VSWR 1.4)

D - SMB (3GHz, VSWR 1.4)

Female Connector - Add 'F' after connector name

Right Angle - Add 'R' after connector name (VSWR increase 0.1)

Mating Connector

QCB-MCB-RG142-1

BNC male, Crimping
type, brass

QCB-FCB-RG142-1

BNC female, Crimping
type, brass
