

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

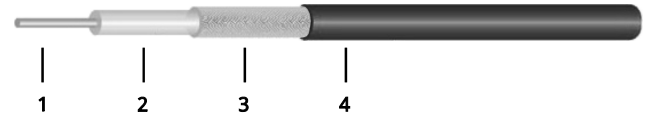
Mechanical

Bend Radius:	25mm
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Environmental

Temperature:	-20~+80°C
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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
