

RG316

Low Cost

Features:
* Low Cost

Applications:
* Telecom
* Interconnect between equipment

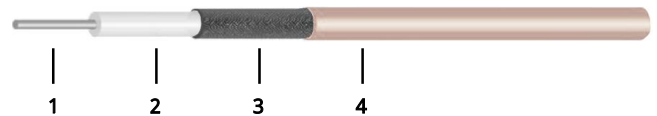
Electrical

Frequency:	DC-3GHz
Impedance:	50Ω
Velocity of Propagation:	70%
Voltage Withstand:	600V DC
Capacitance:	96pF/m

Environmental

Temperature:	-55~+200°C
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Construction



No.	Name	Size (mm)	Material
1	Inner Conductor	0.51	Stranded Silver-plated copper
2	Dielectric	1.5	FEP
3	Outer Shield	1.95	Silver-plated copper braid
4	Jacket	2.5	FEP

Attenuation

Frequency (GHz)	0.1	0.4	1	3
Attenuation*1 (dB/100m)	26.2	53.2	85.6	153.2

[1] VSWR:1.0; Ambient: +25°C (77°F)

Calculate Cable Attenuation: Attenuation (dB/100m) = $2.583794 * \sqrt{F} \text{ (MHz)} + 0.003893 * F \text{ (MHz)}$

Calculate Connector Attenuation: Attenuation (dB) = $0.03 * \sqrt{F} \text{ (GHz)}$

How To Order

RG316-X-Y-Z

X: Frequency in GHz

Y: Connector type

Z: Length in meters

Examples:

To order a RG316 cable assembly, DC-3GHz, SMA male to SMA female, 0.8 meter, specify RG316-3-SSF-0.8.

Connector naming rules:

S - SMA (3GHz, VSWR 1.15)

X - MMCX (3GHz, 驻波: 1.2)

M - MCX (3GHz, 驻波: 1.2)

B - BNC (3GHz, VSWR 1.2)

D - SMB (3GHz, VSWR 1.2)

Female Connector - Add 'F' after connector name

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