

RG316DS Flexible Cable Assembly

Part No.: WLC-G1111-XXX

RG316DS SMA Male to SMA Male Cable Assembly



Coaxial Cable Structure Figure



Actual Cable Section Illustration



Construction

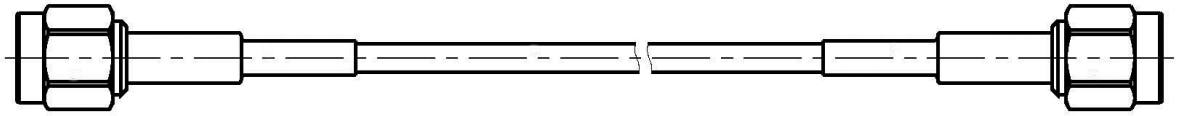
Conductor	Insulation	Double Shield	Jacket
Material: Silver Coated Copper Clad Steel Conductors No: 7 Construction Size: 0.175mm Diameter:0.53mm (0.02")	Material: FEP Average Thickness: 0.51mm Diameter: 1.53±0.03mm (0.06")	Material: Silver Coated Copper Construction: 16/5/0.1mm Shield1 Coverage: 95% Shield2 Coverage: 86% Shield1 Diameter: 1.98±0.05mm (0.078") Shield2 Diameter: 2.38±0.05mm (0.094")	Material: FEP Average Thickness: 0.3mm Diameter: 2.9±0.1mm (0.114")

Electrical Characteristics

Frequency	Attenuation(dB/m)
2GHz	1.4
2.4GHz	1.5
3GHz	1.6
4GHz	1.95
5GHz	2.2
6GHz	2.7

Description	Specification
Impedance	50 ± 3 Ω
Conductor Resistance	120.6 Ω/km/20°C Max.
Insulation Resistance	100 MΩ/km Min.
Capacitance	95.8 ± 3 pF/m
Dielectric Strength	AC 1.0 KV/Minute
Velocity of Propagation	69 %

Schematic Drawing



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Remark: Estimation of Cable Assembly Loss = Connector Loss + Assembly Loss + Cable Loss