

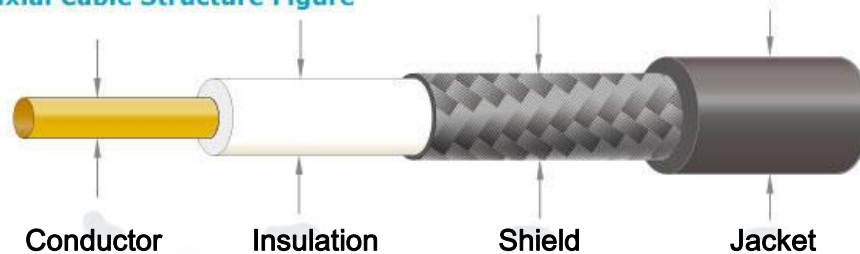
RG179 Flexible Cable Assembly

Part No.: WLC75-P9192-XXX

75Ω RG179 F Male to F Female Cable Assembly



Coaxial Cable Structure Figure



Actual Cable Section Illustration



Construction

Conductor	Insulation	Shield	Jacket
Material: Silver Coated Copper Clad Steel Conductors No: 7 Construction Size: 0.102mm Diameter: 0.31mm (0.012")	Material: FEP Average Thickness: 0.64mm Diameter: 1.58±0.05mm (0.062")	Material: Silver Coated Copper Construction: 16/5/0.10mm Coverage:95% Diameter: 2.03±0.05mm (0.079")	Material: FEP Average Thickness: 0.28mm Diameter: 2.54±0.10mm (0.1")

Electrical Characteristics

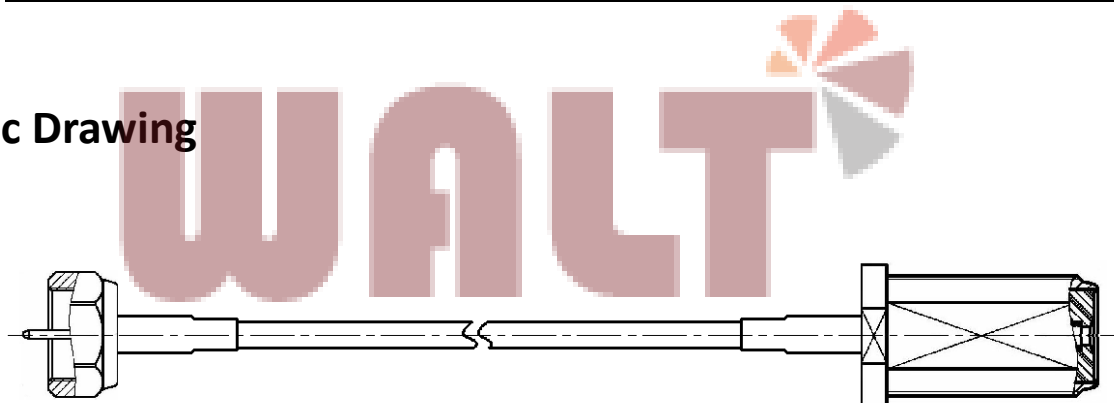
Frequency	Attenuation(dB/m)
0.001GHz	0.10
0.05GHz	0.30
0.1GHz	0.33
0.4GHz	0.53
0.7GHz	0.62
1GHz	0.79

Description	Specification
Impedance	75±3Ω
Conductor Resistance	838 Ω/km/20°C Max.
Insulation Resistance	100 MΩ/km Min.
Capacitance	64±3 pF/m
Dielectric Strength	AC 1.0 KV/Minute
Spark Test	0.5 KV
Rating Temp Voltage	105°C 30V
Velocity of Propagation	69 %

Physical Characteristics

Description	Specification		
Insulation	Unaged	Tensile Strength	2500 Psi Min. (1.76 Kg / mm ²)
		Elongation	200% Min.
	Aged	Tensile Strength	Unaged Min. 75% (168hrs×232°C)
		Elongation	Unaged Min. 75% (168hrs×232°C)
Jacket	Unaged	Tensile Strength	2500 PSI Min. (1.76 Kg / mm ²)
		Elongation	200% Min.
	Aged	Tensile Strength	Unaged Min.75% (168hrs×232°C)
		Elongation	Unaged Min.75% (168hrs×232°C)

Schematic Drawing



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