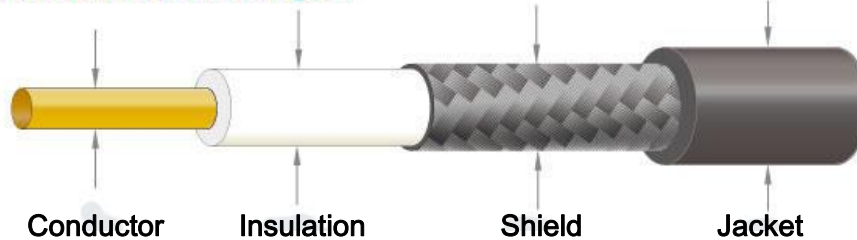


1.13mm Mini Coaxial Cable Assembly

Part No.: WLC-H1235-XXX

1.13mm SMA Female to IPEX Male Cable Assembly

Coaxial Cable Structure Figure



Construction

Conductor	Insulation	Shield	Jacket
Material: Silver Coated Copper Conductor No: 7 Construction Size: 0.08±0.003mm Diameter: 0.24mm (0.009")	Material: FEP Average Thickness: 0.22mm Diameter: 0.68±0.02mm (0.027")	Material: Tinned Coated Copper Construction: 16/4/0.05±0.003mm Coverage: 90% Diameter: 0.9±0.02mm (0.035")	Material: FEP Average Thickness: 0.13mm Diameter: 1.13±0.05mm (0.044")

Electrical Characteristics

Frequency	Attenuation(dB/m)
1GHz	2.00
2GHz	3.02
2.4GHz	3.35
3GHz	3.81
5.2GHz	5.02
6GHz	5.22

Description	Specification
Impedance	50 ± 3 Ω
Conductor Resistance	545 Ω/km/20°C Max.
Insulation Resistance	1000 MΩ/km Min.
Capacitance	96 ± 3 pF/m
Dielectric Strength	AC 1 KV/Minute
Spark Test	2.5 KV
Velocity of Propagation	69 %
Rating temp voltage	105°C 30V

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



Actual Picture



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