

Murata Coaxial Cable Assembly

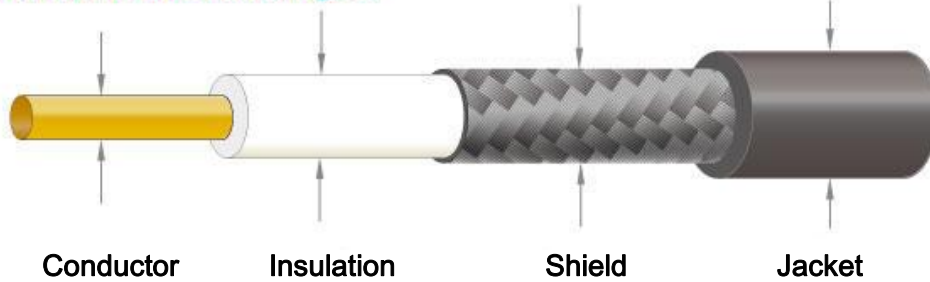
Part No.: **WLC-I4112-XXX**



WALT I4112-XXX Test Cable Assembly

(Ref # MXHS83QE3000 for Connectors MM8430-2610 / 8130-2600)

Coaxial Cable Structure Figure



Construction

Conductor	Insulation	Shield	Jacket
Material: Silver Coated Copper Conductors No: 7 Construction Size: 0.102±0.003mm Diameter: 0.31mm (0.012")	Material: FEP Average Thickness: 0.3mm Diameter: 0.92±0.03mm (0.036")	Material: Tinned Coated Copper Construction: 16/6/0.05±0.003mm Coverage:95% Diameter: 1.15±0.05mm (0.045")	Material: FEP Average Thickness: 0.13mm Diameter: 1.37±0.05mm (0.054")

Electrical Characteristics

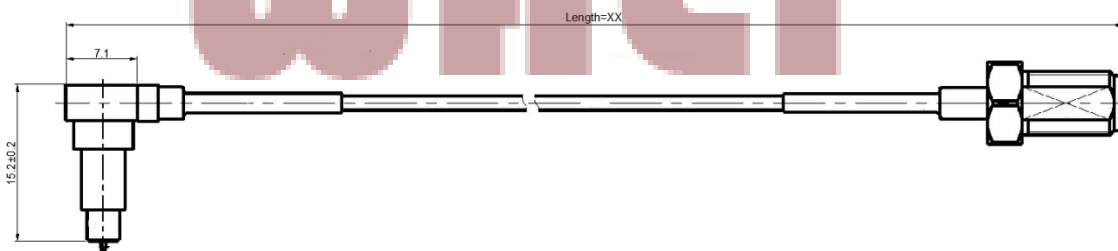
Frequency	Attenuation(dB/m)
1.8GHz	2.2
2.4GHz	2.6
2.45GHz	2.6
5.2GHz	3.9
5.8GHz	4.3
6.0GHz	4.3

Description	Specification
Impedance	50±3Ω
Conductor Resistance	335 Ω/km/20°C Max.
Insulation Resistance	3000 MΩ/km Min.
Capacitance	96±3 pF/m
Dielectric Strength	AC 1.0 KV/Minute
Spark Test	2.5 KV
Rating Temp Voltage	105°C 30V
Velocity of Propagation	69 %

Physical Characteristics

Description	Specification		
Thermal Shock	Less 1mm at 232°C/hr		
Min. Bending Radius	9mm (0.35")		
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