

MCX Connector Series



KLS1-MCX005 MCX Connector Series

Cable Group : RG-316 Double Braid



Electrical Specification

Impedance:	50 Ω
Frequency Range:	DC - 6 GHz
VSWR:	1.06 max. @ DC - 2.5 GHz (straight) 1.1 max. @ DC - 2.5 GHz (right angle)
RF-Leakage :	60 dB Min. @ 1 GHz (flexible cable) 70 dB Min. @ 1 GHz (semi-rigid cable)
Voltage Rating (at sea level):	≥ 335 Vrms
Contact Resistance:	Center Contact: ≤ 5 mΩ Outer Contact: ≤ 2.5 mΩ
Insulation Resistance:	10,000 MΩ Min.
Insertion Loss Max.:	0.10 dB @ 1 GHz
Dielectric Withstanding Voltage:	1,000 Vrms (at sea level)

Mechanical

Mating: Snap-on coupling
 Braid/Jacket Cable Affixment: Hex crimp
 Center Conductor Cable Affixment: Solder
 Contact Captivation: ≥ 2.3 lbs (10N)
 Engagement Force: ≤ 5.6 lbs (25N)
 Disengagement Force: ≥ 2.3 lbs (10N)
 Durability (matings) 500 cycles Min.
 Temperature Range -55°C to +155°C

Material

Male Contact: Brass, 30μ gold plated
 Female Contact: Beryllium copper, 30μ gold plated
 Crimp Ferrule: Copper or brass, nickel plated
 Other Metal Parts: Brass, nickel or gold plated
 Insulator: PTFE
 Gasket :Silicone rubber

