

## Mechanical & Environmental Data

Parameter	Typical values	Norm
<b>Mating cycles</b>	5000	
<b>Temperature range</b> - 1051 A004-3 - 1051 A004-4 - 1051 A004-9	-55°C to + 135°C -55°C to + 135°C -40°C to + 85°C	
<b>Vibration</b>	10 to 2000 Hz, 1.5 mm or 20 g, no discontinuity > 1 µs	EIA-364-28, Test cond. IV (MIL-STD-1344, Method 2005 superseded)
<b>Protection level</b> SE, KE, DKE	IP68 (2m/24h) when mated or with fitted sealing caps	IEC 60529
<b>Corrosion, salt spray</b>	96 h with 5% salt solution at 35°C	IEC 60068-2-11, Test Ka MIL-STD-202, Method 101, cond. A

## Material & Surface Treatments

Part	Materials	Finish
<b>Housings</b> - 1051 A004-3 - 1051 A004-4 - 1051 A004-9	Brass Brass Brass, Steel, PA	Chrome over Nickel Chrome over Nickel Nickel
<b>Housing accessories</b>	Brass	Nickel
<b>Inner contact</b>	Bronze	Gold over Nickel
<b>Crimp contact</b>	Brass	Gold over Nickel
<b>Outer contact</b>	Brass	Gold over Nickel
<b>Ground contact</b>	Brass	Nickel
<b>Insulators</b> - 1051 A004-3 - 1051 A004-4 - 1051 A004-9	PTFE, PCTFE, PP-H PTFE, PCTFE, PP-H POM, PP-H, PEI	- - -
<b>Washers</b>	PEEK, PET	-
<b>O-ring seals</b>	NBR, NBR Low Temp	-
<b>Cable seal and protections</b>	TPE	-

Our products are RoHS compliant

## Electrical Data

Parameter	Typical values	Norm
<b>Nominal impedance</b>	75 Ω	
<b>Test voltage at sea level (mated)</b> - Center to outer contact - Outer to ground contact	1.7 kVAC 1.0 kVAC	IEC 60512-4-1, Test 4a, Method c
<b>Current rating per contact</b>	14 A	IEC 60512-5-2, Test 5b
<b>Contact resistance</b> - Center contact - Outer contact - Ground contact	<3 mΩ <0.5 mΩ <5 mΩ	IEC 60512-2-1, Test 2a IEC 60512-2-2, Test 2b
<b>Insulation resistance</b>	> 10 <sup>10</sup> Ω	IEC 60512-3-1, Test 3a
<b>VSWR</b> (Voltage Standing Wave Ratio) - 0 to 250 MHz - 250 to 1300 MHz	< 1.05 < 1.2	