



7/16 DIN female connector for 1/2 in super-flexible feeder cable, field installation with reliable connection.

General Specifications

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|---------------------|----------------------------------------------|
| Connector Type | Field installation |
| Connector Interface | 7/16 DIN female |
| Suitable Cable | 1/2-inch feeder cable with super flexibility |
| Mechanical Standard | IEC 61169-16 |

Electrical Specifications

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|---------------------------|----------------------------------------------------------------------------|
| Impedance | 50 ohms |
| Frequency | DC - 6GHz |
| Return Loss | ≤ -26 dB@DC-3GHz ≤ -23 dB@3-4GHz ≤ -21 dB@4-6GHz |
| Insertion Loss | ≤ 0.05 dB |
| Insulation Resistance | 10 G Ω |
| Center Contact Resistance | ≤ 0.4 M Ω |
| Outer Contact Resistance | ≤ 1.5 M Ω |
| Working Voltage | 500 V |
| Power Handling | 1800 W@1GHz |
| Intermodulation, 900MHz | -161 dBc@2 \times 43dBm Typical -155 dBc@2 \times 43dBm Maximum |

Parts Material

| | |
|------------------------|----------------|
| Inner Conductor | Brass |
| Inner Conductor Socket | Tin bronze |
| Insulator | PTFE/TPX |
| Body & Outer Conductor | Brass |
| Gasket | Silicon rubber |
| Nut | Brass |

Surface Plating Treatment

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|------------------------|--------------------------|
| Inner Conductor | Silver Ag3 plated |
| Inner Conductor Socket | Silver Ag3 plated |
| Body & Outer Conductor | Tri-metal CuSnZn3 plated |
| Nut | Nickel Ni3 plated |

Mechanical Specifications

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|-------------------------------|-------------------------------------------|
| Mating Cycles | ≥500 times |
| Coupling Nut Retention | ≥1000 N |
| Coupling Torque (Recommended) | ≥25 to 30 Nm |
| Proof Torque | ≤35 Nm |
| Mechanical Shock Test Method | MIL-STD-202, Method 213, Test Condition D |
| Vibration Test Method | MIL-STD-202, Method 204, Test Condition A |

Environmental Specifications

| | |
|--------------------------|----------------------------------|
| Installation Temperature | -20 °C to +55 °C |
| Operating Temperature | -40 °C to +85 °C |
| Storage Temperature | -45 °C to +85 °C |
| Relative Humidity | 5% - 95% |
| IP Rating | Mated IP68, 1m, 1.5hrs, 20 deg-C |

Regulatory Compliances

| | |
|---------------|-----------|
| ISO 9001:2015 | Compliant |
| ROHS | Compliant |
| China RoHS | Compliant |
| UK RoHS | Compliant |
| REACH | Compliant |
| EU/CE | Compliant |

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