

# DIN 7/16 FEMALE CONNECTOR CLAMP FOR 7/8" CABLE

## 1. Description

Straight cable jack  
 Part NO.: 94-02-4M25  
 Cable Types.: 7/8" RF Cable



## 2. Connector Technical Data

### ELECTRICAL DATA

Impedance	50 Ohm
Frequency range	DC 0 — 3 GHz
VSWR	≤1.10 (0~2.2GHz)
Voltage Rating	≥2,700 Vrms (depending on cable)
Insulation resistance	5,000 MΩ minimum
Contact resistance	center contact: ≤ 0.4 mΩ outer contact: ≤ 0.2 mΩ
Insertion loss	≤0.1dB(0~3GHz)
Third order intermodulation	≤-155dBc@2x20W

### MECHANICAL & Material DATA

Mating	M29 x 1.5 threaded coupling nut
Body and Outer Contacts	Brass per ASTM-B16, silver and albaloy plated
Insulator	PTFE
Gasket	Silicone rubber
Connector Durability (matings)	500 matings

### ENVIRONMENTAL

Temperature Range	-45 °C to + 85 °C
Vibration	IEC 68
Corrosion	IEC 68
Immersion	IEC 529, IP68
Mechanical Shock	IEC 68, part 2-27
Waterproof	IP 68

## 3. Mating Lightning Conductor's Technical Data

### ELECTRICAL DATA

Impedance	50 Ohm
Frequency range	800 MHz - 2500 MHz
RF power	2000 w
VSWR	<1.2
Insertion Loss	<0.1 dB
Discharge capacity(kA@8/20μS)	≥15
Contact Resistance	Inner contact: ≤0.4mΩ Outer contact: ≤0.2mΩ
Protection	IP 68

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## Test Report

