

MAXXUM SERIES | 25 kVDC | 70,000 FT | -55° TO 125°C

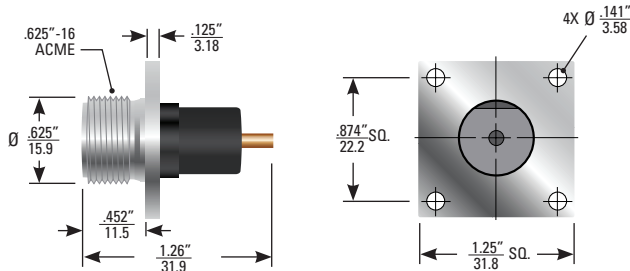
Maxxum series connectors are robust in their construction, using stainless steel for the threaded coupling nut and body. This series is ideally suited for use as a high power, TWT collector interconnect or in E-beam inspection equipment where a low partial discharge design and hermetic feedthrough are required.

The cable assemblies use FEP cable with a double braid crimped directly to the stainless steel body of the connector.

RECEPTACLES

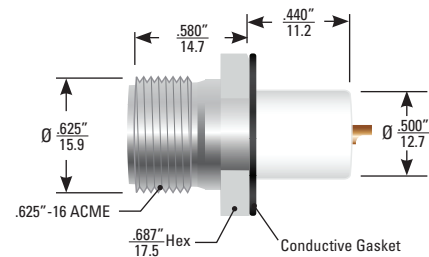
(Dimensions shown as in/mm)

Plastic, Flange Mounted, Non-Sealed 167-7708



- **Mounting:** Requires clearance for .500\"-20 UNF thread

Ceramic-to-Metal Brazed, Hermetic 178-9740

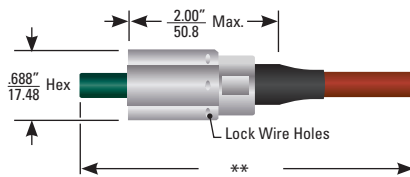


- Sealed for 1 ATM differential pressure
- **Max. Leak Rate:** 1x10⁸ cc/s He @1 ATM differential pressure
- **Mounting:** Solder Flange

CABLE ASSEMBLIES

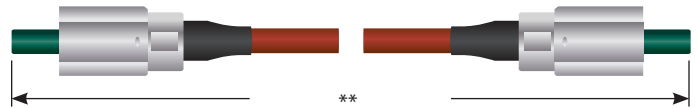
Single-Ended, Shielded 178-9433

- Uses Wire 167-8556



Double-Ended, Shielded 178-9434

- Uses Wire 167-8556



SERIES SPECIFICATIONS

(• = Same value as above)

Series	Voltage Rating (kVDC)	Altitude Rating (ft)	Operating Temp. (°C)	Current Rating (Amp)	Receptacle Insulator Material	Plug Insulator Material	Coupling Style	Coupling Nut Material/Finish	Plug Contact Material/Finish (Socket)	Recept. Contact Material/Finish (Pin)	Wire Type	Wire Insulation	Braid Termination	Test Voltage @ 70,000 ft	Test Voltage @ Sea Level
MAXXUM	25	70,000	-55 to 125	5	Plastic or Ceramic	Plastic	Threaded	CRES	BeCu/Au with CRES Hood	Brass/Au or Kovar™	Shielded	FEP	Solder	33	N/A

WIRE SPECIFICATIONS

Part #	Operating Voltage (kVDC)	Conductor			Insulation		Shielding			Jacket		Impedance Ω	Attenuation dB/100 ft @ 400mhz	Capacitance pF/FT (Nom.) @1k HZ
		AWG	Strands	Plating	Material	ø in./mm	AWG	Plating	ø in./mm	Material	ø in./mm			
167-8556	40	•	•	•	•	•	36	SPC	0.120 / 3.05	FEP	0.145 / 3.68	50	N/A	29.3

****Cable Assembly Ordering Information:** All cable assembly cable lengths are to be specified in inches only. For example, to order part number 178-6027 with a cable length of 10 feet 8 inches the cable assembly part number would be specified as 178-6027-128N.

• **Note:** Product numbers and specs subject to change without notice. • Products listed represent only a small selection of Teledyne Reynolds' products please visit www.teledynereynolds.com for the most up to date product information. • Contact Teledyne Reynolds' Engineering to discuss custom designs. **WARNING:** Connectors should **NEVER** be handled mated or unmated when voltage is applied. Kovar is a registered trademark of the Carpenter Technology Corporation.