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.

**MAXXUM SERIES | 25 kVDC | 70,000 FT | -55º TO 125ºC**

RECEPTACLES

- **Plastic, Flange Mounted, Non-Sealed**
  - 167-7708

- **Ceramic-to-Metal Brazed, Hermetic**
  - 178-9740

**CABLE ASSEMBLIES**

- **Single-Ended, Shielded**
  - 178-9433
    - Uses Wire 167-8556

- **Double-Ended, Shielded**
  - 178-9434
    - Uses Wire 167-8556

**SERIES SPECIFICATIONS**

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

<table>
<thead>
<tr>
<th>Part #</th>
<th>Operating Voltage (kVDC)</th>
<th>Conductor</th>
<th>Insulation</th>
<th>Shielding</th>
<th>Jacket</th>
<th>Impedance Ω</th>
<th>Attenuation dB/100 ft @ 400mhz</th>
<th>Capacitance pf/ft (Nom.) @ 16 Hz</th>
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<tbody>
<tr>
<td>167-8556</td>
<td>40</td>
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**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.

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