

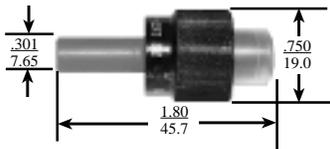
Series

720 HI-REL

20 KVDC

Altitude Rated
For Military/Aerospace Applications
Operating Temperature:
-55°C to +125°C

Plugs



Series 720 Plug

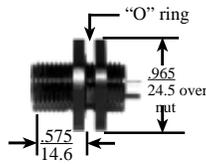
- P/N 178-6142** Silicone insulator for .110 Dia. wire
- P/N 167-9296** Silicone insulator for .150 Dia. wire
- P/N 167-9163** Silicone insulator for .180 Dia. wire
- P/N 167-9149** Silicone insulator for .280 Dia. wire

Series 720 Plug Attributes

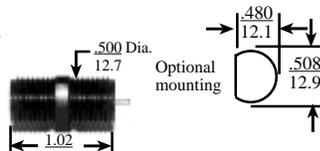
Operating voltage: 20 KVDC up to 70,000 ft.
Mating: Mates all series 720 receptacles and LGH II series receptacles. Also mates Reynolds C720 series RC1525 and 3RC1525 receptacles; this combination will reduce the upper operating temperature from +125°C to +95°C
For cable preparation and assembly instructions, see p. 48
Bulk cable: See p. 40 for ordering and specifications

Receptacles

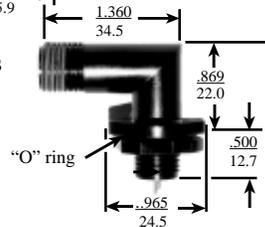
- P/N 167-9157** Silicone seals
- P/N 167-9263** Fluorosilicone seals
- Front mount
- Straight style
- Leak Test: 1×10^{-6} cc/sec. He.



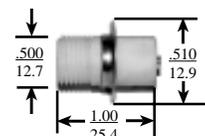
- P/N 167-8603** Silicone seals
- Note:** Same as P/N 167-9157 above, except flange has been removed.



- P/N 167-9227** Silicone seals
- P/N 167-9293** Fluorosilicone seals
- Front mount
- Right angle style
- Leak Test: 1×10^{-6} cc/sec. He.



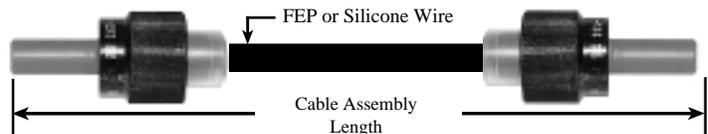
- P/N 167-9803**
- Ceramic-to-metal hermetic seal
- Iron nickel alloy flange
- Leak Test: 1×10^{-8} cc/sec. He.



Series 720 Receptacle Attributes

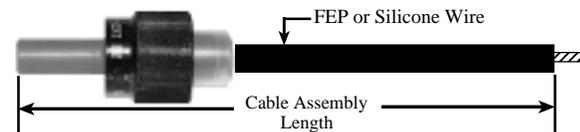
Operating voltage: 20 KVDC up to 70,000 ft.
Pressure: Sealed for 15 psi differential pressure
Ordering: Use the applicable Part Number
Mating: Mates all series 720 and LGH II lead assemblies
Also mates all 20 KVDC rated Reynolds C720 lead assemblies; this combination will reduce the upper operating temperature from +125°C to +95°C.

Cable Assemblies



Series 720 Double-Ended Cable Assembly

- P/N 178-6143** .100 FEP wire & 178-6142 connectors
- P/N 167-8798** .150 FEP wire & P/N 167-9296 connectors
- P/N 167-9201** .180 silicone wire & P/N 167-9163 connectors
- P/N 167-9203** .280 silicone wire & P/N 167-9149 connectors
- P/N 178-6153** .100 FEP wire & P/N 178-6152 using fluorosilicone insulators



Series 720 Single-Ended Cable Assembly

- P/N 178-6144** .110 SC* FEP wire & P/N 178-6142 connector
- P/N 167-9957** .150 FEP wire & P/N 167-9296 connector
- P/N 167-9164** .180 silicone wire & P/N 167-9163 connector
- P/N 167-9150** .280 silicone wire & P/N 167-9149 connector
- P/N 178-6154** .100 FEP wire & P/N 178-6152 using a fluorosilicone insulator

Series 720 Cable Assembly Attributes

Operating voltage: 20 KVDC up to 70,000 ft.
Test voltage: 25 KVDC @ 70,000 ft. (simulated). Ambient temp.
Mating connectors: Mates all series 720 receptacles and all LGH LI series receptacles. Also mates Reynolds C720 receptacles RC1525 and 3RC1525; this combination will reduce the upper operating temperature from +125°C to +95°C
Ordering: See Cable Assembly Ordering Information, below
Bulk wire & cable: See p. 40 for ordering and specifications

Cable Assembly Ordering Information

Order by Part Number
Use "F" for feet, "N" for inches.
Example: Cable Assembly 167-8798 10 feet 8 inches in length, is ordered as **P/N 167-8798-10F-8N**

* silicone coated