

Hardline Adapter

GF-625-CH-T Product Information



Broadband
Products

Connector Specifications

Return Loss:
30 dB Nominal to 1GHz
25 dB Nominal to 2.5 GHz

Insertion Loss:
< 0.12 dB at 1 GHz
< 0.28 dB at 2.5 GHz

Ampacity:
Exceeds 5 amp @ 10

"F" Female Port Interface:
Meets SCTE IPS-SP-400

KS Interface:
Meets SCTE IPS-SP-501
interface dimensions

Corning Gilbert has made significant performance improvements to its familiar KS male to "F" female adapter, GF-625-CH-T.

Since moisture is a leading cause of intermodulation (CPD) issues, the main improvement on this product focuses on the elimination of moisture. The design incorporates a standard "F" female port so that a seal ring (G-SR-1/2) is used to prevent moisture entry at the "F" female interface. This adapter, when installed with a seal ring and properly installed weatherproof "F" male connector, gives an excellent barrier to moisture entry.

Another significant improvement is the incorporation of a new high force cylindrical contact. This contact design is all metal Beryllium Copper (BeCu) and does not depend on plastic to maintain high contact forces. Plastic is only used for centering the contact and for guiding the cable center conductor into the contact. This design ensures long term contact performance in higher temperatures that are commonly seen in modern installations. This helps to prevent any intermodulation (CPD) issues related to light spring contact.

These issues are becoming more important due to the required usage of the return band for data and VOIP services.



Materials and Construction:

Body constructed of aluminum alloy.

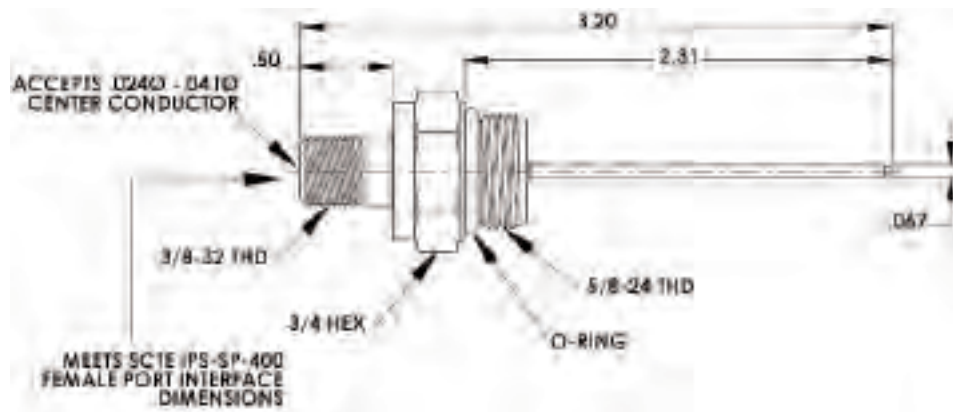
Pin manufactured of tin plated brass.

Contact manufactured from Beryllium Copper (BeCu) with tin plating

EPDM O-Ring

Product Features and Benefits

- Short one-piece aluminum body for use in confined spaces
- One-piece pin construction
- Designed for use with G-SR-1/2 "F" port seals for weather resistance
- Standard 2.31" pin length
- "F" female port meets SCTE IPS-SP-400
- Improved electrical performance using a cylindrical contact
- Male KS port meets SCTE IPS-SP-501
- Long-term performance ensured by high force Beryllium Copper (BeCu) cylindrical contact
- "F" female port accepts center conductor diameter from 0.024"-0.041"



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