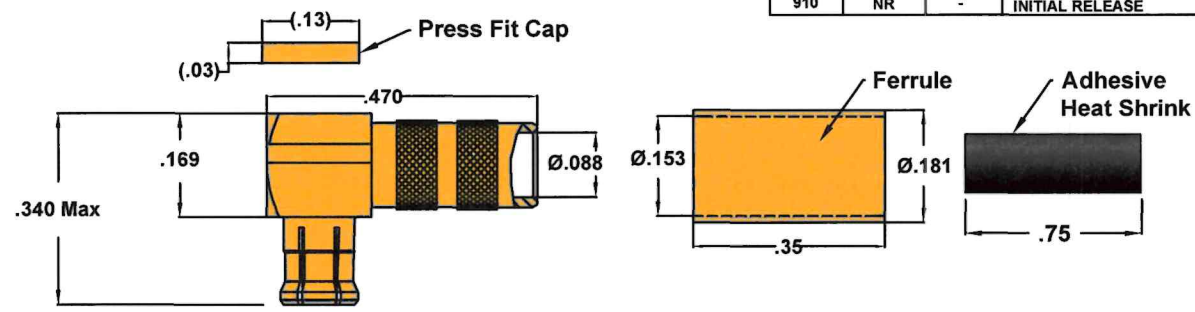


| REVISIONS | | | | | |
|-----------|----------|------|-----------------------|----------|---------|
| ECN | REVISION | ZONE | DESCRIPTION OF CHANGE | APPROVED | DATE |
| 910 | NR | - | INITIAL RELEASE | CC | 4-22-24 |



1.0 PERFORMANCE

- 1.1 Frequency range: DC - 12 GHz
- 1.2 Nominal impedance: 75 +/-2 Ohms
- 1.3 VSWR: 1.22:1 Max @6 GHz
VSWR: 1.43:1 Max @12 GHz
- 1.4 Insertion loss: .14 dB Max @ 12 GHz
- 1.5 DWV: 500 Vrms @ sea level
- 1.6 Temperature Range: -65/165 °C

2.0 MATERIALS

- 2.1 Body: BeCu
- 2.2 Contact: Brass
- 2.3 Dielectric: PTFE
- 2.4 Ferrule: Copper
- 2.5 CAP: Brass
- 2.6 Heat shrink: ATUM PER MIL-I-23053/4, Class 2

3.0 FINISHES

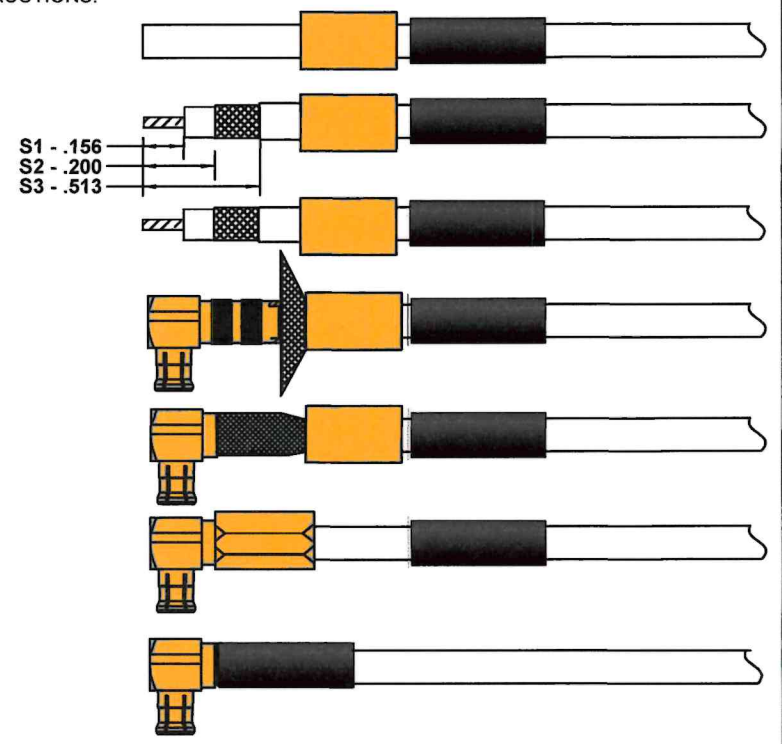
- 3.1 Body, Ferrule and Contact: Gold/Ni

4.0 MECHANICAL

- 4.1 Termination style: Cable contact-solder
Crimp ferrule

TERMINATION INSTRUCTIONS:

- 1) Slide heat shrink and ferrule over end of cable prior to stripping cable. Ensure cable end is cut square.
- 2) When using automated stripping equipment, strip cable to dimensions show. If automated stripping equipment is not able to strip S1 and S3 only and trim excess shield in step 6. Care should be taken to not nick the center conductor and shield.
- 3) Fold back inner and outer braid using tweezers. You may need to slit the aluminum foil before folding back.
- 4) Slide the connector onto the cable until the bottom seats onto the shield. Center conductor should seat inside the solder cup inside the connector. Fold all shields back over the end of the connector.
- 5) Solder cable center conductor to connector contact.
- 6) Slide ferrule over the shield until it is against the connector body. Trim any excess shield. Crimp the ferrule using M22520/5-01. Y187 die.
- 7) Press in cap to the back of the connector body.



RoHS Compliant

UNLESS OTHERWISE SPECIFIED:
ALL DIMENSIONS ARE IN INCHES.
ALL DIMENSIONS ARE FOR REFERENCE ONLY.

| | | | | | |
|--|--------------------|------------------------------|---|---------------------------------|------------------|
| DESIGNED BY: T. Forst | DATE: 4/17/2024 | CHECKED BY: <i>cdymon</i> | DATE: 4-22-24 | APPROVED BY: <i>T. Forst</i> | DATE: 4/22/24 |
| | | | DESCRIPTION: 75 OHM MCX Right Angle FOR GIGAFLIGHT CABLE GF7-303D | | |
| 6180 Industrial Ct. Greendale WI, 53129 Tel: 414-488-6320 Fax: 414-433-9041 | | CAGE CODE: 8A8D5 | PART NUMBER: GF7-MA303D | SHEET: 1 OF 1 | |