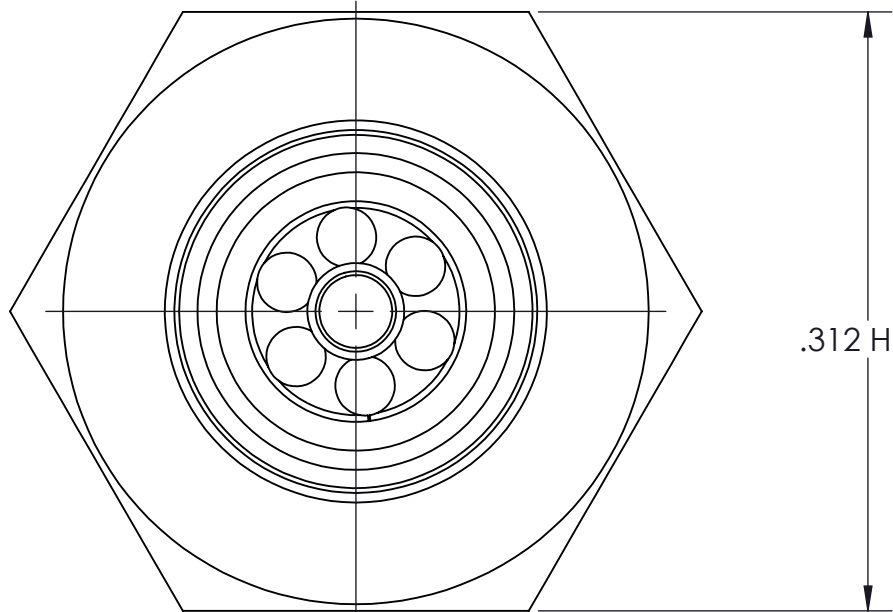
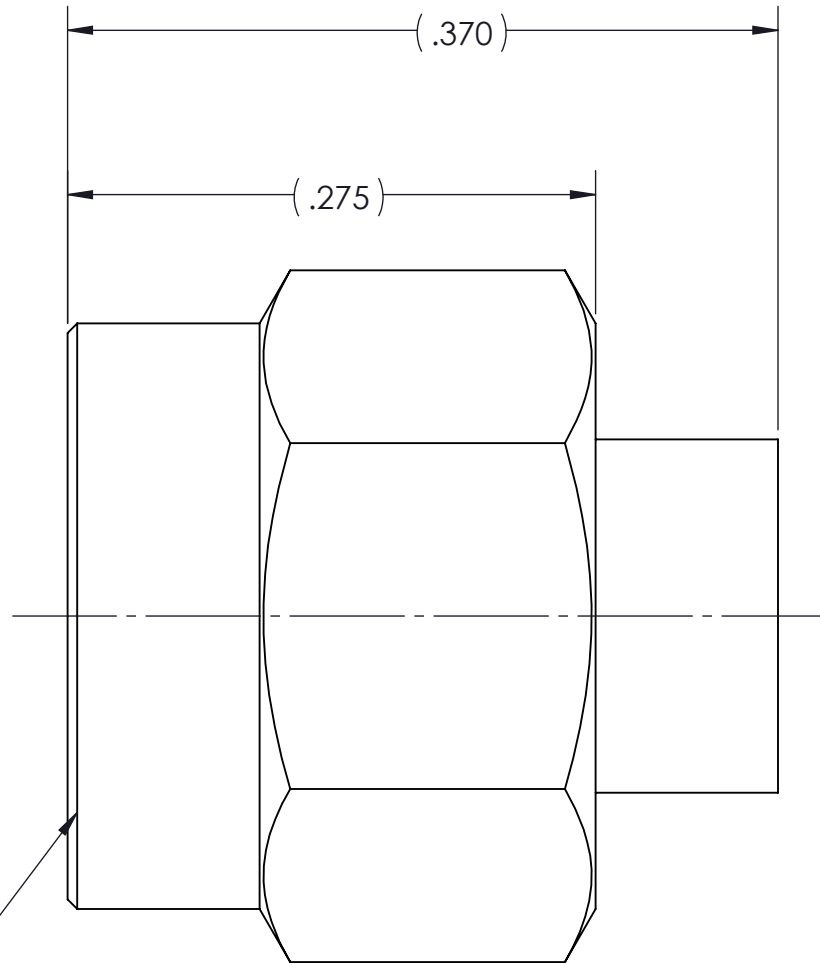
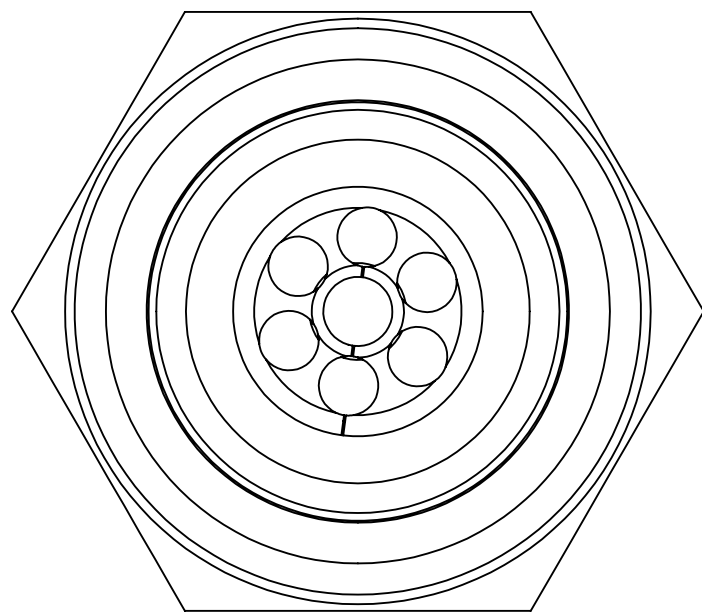


| P/N    | "A" CABLE TYPE          |
|--------|-------------------------|
| -1CC   | Ø .141 SEMI-RIGID CABLE |
| -1CCSF | Ø .141 SEMI-RIGID CABLE |
| -2CC   | Ø .085 SEMI-RIGID CABLE |
| -2CCSF | Ø .085 SEMI-RIGID CABLE |
| -3CC   | Ø .141 LOW LOSS CABLE   |
| -3CCSF | Ø .141 LOW LOSS CABLE   |
| -4CC   | Ø .116 LOW LOSS CABLE   |
| -4CCSF | Ø .116 LOW LOSS CABLE   |

| REVISION HISTORY |                           |          |          |
|------------------|---------------------------|----------|----------|
| REV.             | DESCRIPTION               | DRAWN BY | DATE     |
| A                | ECO 22660                 | DKN      | 11.24.09 |
| B                | ECO 29504                 | DKN      | 10.08.15 |
| N                | ECO 205363 (REDRAW IN SW) | K.LE     | 03.06.26 |



SMK (2.92 mm) MALE  
INTERFACE PER MIL-STD-348

\*ALL COMPONENTS TO BE PACKAGED AND SHIPPED UNASSEMBLED.

| MATERIAL(S):                                                                                                                                                                          | ELECTRICAL(S):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | MECHANICAL(S):                                                                                                                                                                                                                                                                                                                                 | ENVIROMENTAL(S):                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BODY, AND COUPLING NUT:<br>303 SST PER ASTM A-582.<br>CENTER CONDUCTOR:<br>BeCu ALLOY PER ASTM B-196.<br>BEAD:<br>POLYMETHYLPENTENE (PMP) RESIN.<br>GASKET:<br>VITON PER MIL-R-83248. | IMPEDANCE: 50 OHMS NOMINAL.<br>FREQUENCY RANGE: DC TO 40 GHZ.<br>VSWR: 1.05+.005*(f) MAX TO 40 GHZ.<br>INSERTION LOSS: .04 *√f (GHz) dB MAX.<br>WORKING VOLTAGE: 500 Vrms MAX @ SEA LEVEL.<br>DIELECTRIC WITHSTANDING VOLTAGE : 1500 Vrms MIN.<br>R.F. HIPOT VOLTAGE: 1000 Vrms MIN @5MHZ.<br>CORONA LEVEL: 375 Vrms @ 70,000 FT.<br>INSULATION RESISTANCE: 5,000 MegaOhms MIN.<br>R.F LEAKAGE: - 90 dB MIN. FROM 2~3 GHz.<br>CONTACT RESISTANCE:<br>INITIAL:<br>CENTER CONTACT: 3.0 MILLIOHM MAX.<br>OUTER CONTACT: 2.0 MILLIOHM MAX.<br>AFTER ENVIRONMENTAL:<br>CENTER CONTACT: 4.0 MILLIOHM MAX.<br>OUTER CONTACT: N/A. | MATING CHARACTERISTICS:<br>INTERFACE PER MIL-STD-348.<br>FORCE TO ENGAGE & DISENGAGE:<br>TORQUE: 2 INCH-POUNDS MAX.<br>LONGITUDINAL FORCE: N/A.<br>CONNECTOR DURABILITY:<br>500 CYCLES MIN @ 12 CYCLES/MINUTES MAX.<br>PERMEABILITY: LESS THAN 2.0 MU.<br>COUPLING PROOF TORQUE: 15 INCH-POUND MIN.<br>COUPLING MECH. RETENTION: 60 POUNDS MIN | TEMPERATURE RANGE: -55°C TO +165°C.<br><br>THERMAL SHOCK:<br>MIL-STD-202, METHOD 107, TEST COND.B, EXCEPT HIGH TEMPERATURE WILL BE +150°C.<br>MOISTURE RESISTANCE:<br>MIL-STD-202, METHOD 106, INSULATION RESISTANCE AT LEAST 200 MEGAOHMS WITHIN 5 MINUTES AFTER REMOVAL FROM HUMIDITY.<br>CORROSION:<br>MIL-STD-202, METHOD 101, TEST COND.B.<br>VIBRATION:<br>MIL-STD-202, METHOD 204, TEST COND. D<br>SHOCK:<br>MIL-STD-202, METHOD 213, TEST COND. I. |

|                                                                                                                                                                                                                                              |  |  |                                                                                                                                         |  |  |                                   |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |              |  |  |            |  |  |                                                                    |  |  |             |  |  |                |  |  |             |  |  |      |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-----------------------------------------------------------------------------------------------------------------------------------------|--|--|-----------------------------------|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--------------|--|--|------------|--|--|--------------------------------------------------------------------|--|--|-------------|--|--|----------------|--|--|-------------|--|--|------|--|--|
| FINISH(ES):                                                                                                                                                                                                                                  |  |  | TOLERANCES AND NOTES<br>EXCEPT AS NOTED<br>DIMENSIONS ARE IN INCHES.<br>LINEAR .XX ±.015 / .XXX ±.005<br>FRACTION ± 1/32 ANGULAR ± 1/2° |  |  |                                   |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |              |  |  |            |  |  |                                                                    |  |  |             |  |  |                |  |  |             |  |  |      |  |  |
| COUPLE NUT:<br>(FOR SF's): PASSIVATED PER ASTM A-697.<br>(FOR CC's): GOLD PLATE PER ASTM B-488 OVER NICKEL UNDERPLATE PER AMS-QQ-N-290.<br>BODY, AND CENTER CONDUCTOR:<br>GOLD PLATE PER ASTM B-488 OVER NICKEL UNDERPLATE PER AMS-QQ-N-290. |  |  |                                                                                                                                         |  |  | APPLICABLE Amphenol CDI DOCUMENTS |  |  | 1. INTERPRET DRAWING PER ASME Y14.5 - 2018<br>MACHINE FINISH: 63 RMS<br>2. BREAK ALL SHARP EDGES .003 MAX.<br>3. MACHINED FILLETS .005 MAX.<br>4. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH.<br>5. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R.<br>6. DIMENSIONS TO BE MET AFTER PLATING.<br>7. CHAMFER ALL THREADS 45°.<br>8. THREADS PER H-28<br>9. REMOVE FRAYED EDGES ON TEFLON.<br>10. REMOVE ALL BURRS. |  |  | -<br>-<br>-  |  |  | -          |  |  |                                                                    |  |  |             |  |  |                |  |  |             |  |  |      |  |  |
|                                                                                                                                                                                                                                              |  |  |                                                                                                                                         |  |  | WORK STANDARD                     |  |  | PROD INSTRUC                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  | ASSY INSTRUC |  |  | MATERIAL   |  |  | SPECIFICATION                                                      |  |  | PROCUREMENT |  |  |                |  |  |             |  |  |      |  |  |
|                                                                                                                                                                                                                                              |  |  |                                                                                                                                         |  |  | NA                                |  |  | NA                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  | NA           |  |  | APPROVAL   |  |  | INITIALS                                                           |  |  | DATE        |  |  |                |  |  |             |  |  |      |  |  |
|                                                                                                                                                                                                                                              |  |  |                                                                                                                                         |  |  |                                   |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |              |  |  | DRAWN BY   |  |  | RC                                                                 |  |  | 03.13.02    |  |  |                |  |  |             |  |  |      |  |  |
|                                                                                                                                                                                                                                              |  |  |                                                                                                                                         |  |  |                                   |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |              |  |  | CHECKED BY |  |  |                                                                    |  |  |             |  |  |                |  |  |             |  |  |      |  |  |
|                                                                                                                                                                                                                                              |  |  |                                                                                                                                         |  |  |                                   |  |  | TEST ENG                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |              |  |  | TITLE      |  |  | Amphenol CDI 12900 Alondra Blvd.<br>Cerritos, CA 90703             |  |  |             |  |  |                |  |  |             |  |  |      |  |  |
|                                                                                                                                                                                                                                              |  |  |                                                                                                                                         |  |  |                                   |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  | QUALITY      |  |  |            |  |  | SMK MALE STRAIGHT TO SEMI-RIGID CABLE W/<br>RETRACTABLE COUPLE NUT |  |  |             |  |  |                |  |  |             |  |  |      |  |  |
|                                                                                                                                                                                                                                              |  |  |                                                                                                                                         |  |  |                                   |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  | DESIGN ENG   |  |  | DNG        |  |  | 11.24.09                                                           |  |  | SCALE       |  |  | SUB-DIRECTORY/ |  |  |             |  |  |      |  |  |
|                                                                                                                                                                                                                                              |  |  |                                                                                                                                         |  |  |                                   |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  | MFG ENG      |  |  |            |  |  |                                                                    |  |  | 10:1        |  |  | OUTLINE        |  |  | SHEET 1     |  |  | OF 1 |  |  |
|                                                                                                                                                                                                                                              |  |  |                                                                                                                                         |  |  |                                   |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  | ECO APPRV    |  |  | SEE ECO    |  |  | 03.06.26                                                           |  |  | SIZE        |  |  | CAGE CODE      |  |  | DRAWING NO. |  |  | REV. |  |  |
|                                                                                                                                                                                                                                              |  |  |                                                                                                                                         |  |  |                                   |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |              |  |  |            |  |  |                                                                    |  |  | C           |  |  | 30990          |  |  | 201         |  |  | N    |  |  |