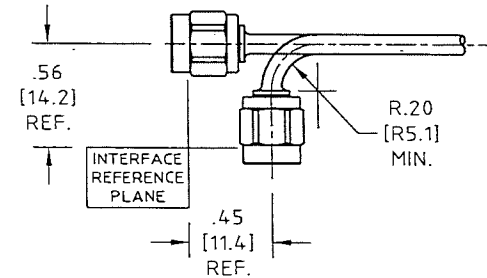


CONTROL DRAWING

| ASSEMBLY No. | DIM. "L" | 2.0 GHz | | 26.5 GHz | | 50.0 GHz | |
|------------------|---------------|----------|----------|----------|----------|----------|----------|
| | | VSWR | LOSS, dB | VSWR | LOSS, dB | VSWR | LOSS, dB |
| minibend LQG-2.5 | 2.50 (63.5) | 1.20 : 1 | 0.17 | 1.45 : 1 | 0.53 | 1.55 : 1 | 0.89 |
| minibend LQG-3 | 3.00 (76.2) | 1.20 : 1 | 0.18 | 1.45 : 1 | 0.57 | 1.55 : 1 | 0.95 |
| minibend LQG-3.5 | 3.50 (88.9) | 1.20 : 1 | 0.19 | 1.45 : 1 | 0.61 | 1.55 : 1 | 1.00 |
| minibend LQG-4 | 4.00 (101.6) | 1.20 : 1 | 0.20 | 1.45 : 1 | 0.66 | 1.55 : 1 | 1.06 |
| minibend LQG-4.5 | 4.50 (114.3) | 1.20 : 1 | 0.21 | 1.45 : 1 | 0.70 | 1.55 : 1 | 1.12 |
| minibend LQG-5 | 5.00 (127.0) | 1.20 : 1 | 0.22 | 1.45 : 1 | 0.74 | 1.55 : 1 | 1.18 |
| minibend LQG-5.5 | 5.50 (139.7) | 1.20 : 1 | 0.23 | 1.45 : 1 | 0.78 | 1.55 : 1 | 1.24 |
| minibend LQG-6 | 6.00 (152.4) | 1.20 : 1 | 0.25 | 1.45 : 1 | 0.83 | 1.55 : 1 | 1.30 |
| minibend LQG-6.5 | 6.50 (165.1) | 1.20 : 1 | 0.26 | 1.45 : 1 | 0.87 | 1.55 : 1 | 1.36 |
| minibend LQG-7 | 7.00 (177.8) | 1.20 : 1 | 0.27 | 1.45 : 1 | 0.91 | 1.55 : 1 | 1.42 |
| minibend LQG-7.5 | 7.50 (190.5) | 1.20 : 1 | 0.28 | 1.45 : 1 | 0.95 | 1.55 : 1 | 1.48 |
| minibend LQG-8 | 8.00 (203.2) | 1.20 : 1 | 0.29 | 1.45 : 1 | 0.99 | 1.55 : 1 | 1.54 |
| minibend LQG-9 | 9.00 (228.6) | 1.20 : 1 | 0.31 | 1.45 : 1 | 1.08 | 1.55 : 1 | 1.66 |
| minibend LQG-10 | 10.00 (254.0) | 1.20 : 1 | 0.34 | 1.45 : 1 | 1.16 | 1.55 : 1 | 1.77 |
| minibend LQG-11 | 11.00 (279.4) | 1.20 : 1 | 0.36 | 1.45 : 1 | 1.25 | 1.55 : 1 | 1.89 |
| minibend LQG-12 | 12.00 (304.8) | 1.20 : 1 | 0.38 | 1.45 : 1 | 1.33 | 1.55 : 1 | 2.01 |
| minibend LQG- | | | | | | | |

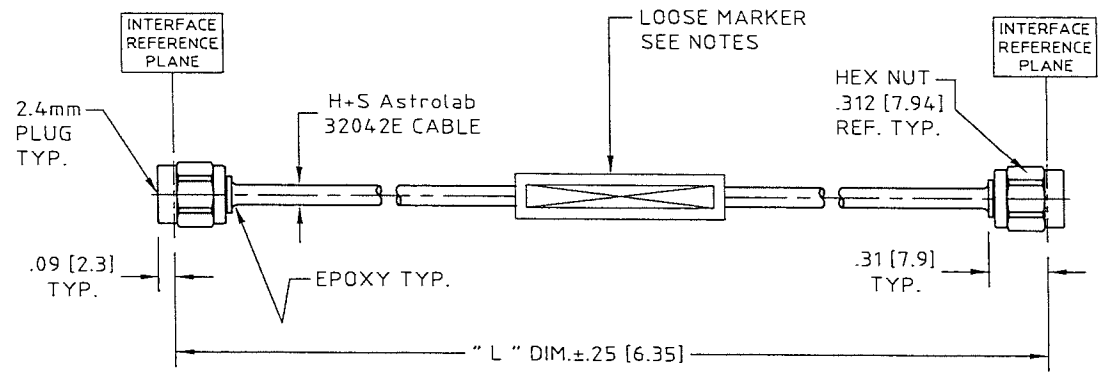


SHOWN ABOVE IS TYPICAL INSTALLATION.

ROHS 5/6 COMPLIANT

NOTES:

- DESCRIPTION:
CABLE ASSEMBLY, 2.4mm PLUG TO 2.4mm PLUG, RUGGEDIZED.
- CABLE,
COAXIAL CABLE H+S Astrolab P/N 32042E MEETS OR EXCEEDS MIL-DTL-17 SEE H+S Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
- CONNECTOR -A-, 2.4mm PLUG:
H+S Astrolab P/N 29898CR-32-42 IAW MIL-STD-348.
SEE H+S Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
- CONNECTOR -B-, 2.4mm PLUG:
SAME AS CONNECTOR -A-.
- MARKING:
LOOSE, WHITE SLEEVING CAPTIVATED ON THE CABLE ASSEMBLY. MARKING WILL INCLUDE THE H+S Astrolab PART NUMBER, CAGE CODE AND DATE CODE OF DATE OF MANUFACTURE. OTHER MARKING AS DEFINED BY CUSTOMER.
NO MARKING ON CABLE ASSEMBLIES SHORTER THAN 3.0", MARKING ON PACKING ONLY.
- ELECTRICAL CHARACTERISTICS:
IMPEDANCE,
50.0 Ohms NOMINAL.
FREQUENCY, INSERTION LOSS AND VSWR SEE CHART.
- MECHANICAL:
OPERATING TEMPERATURE RANGE,
-55° C TO +125° C.
PULL STRENGTH TO 25.0 LBS. [111 N].



| NAME | DATE | |
|-----------|----------|--|
| PREP. GSG | 04/22/05 | |
| ELEC. RF | 04/22/05 | |
| MECH. AW | 04/22/05 | |
| Q.C. AG | 04/22/05 | THIS DRAWING CONTAINS PATENTABLE AND PROPRIETARY INFORMATION. THE DESIGN CANNOT BE USED WITHOUT WRITTEN PERMISSION OF HUBER - SUHNER ASTROLAB. |

UNLESS OTHERWISE SPECIFIED
CONCENTRICITY .004 T.I.R.
CORNERS AND FILLETS .005
MAX. RADIUS OR CHAMFER.
SURFACE FINISH 63 RMS
MICROINCHES OR BETTER.

| | |
|-----------|--------|
| FRACTIONS | ± 1/16 |
| X | ± .030 |
| XX | ± .015 |
| XXX | ± .005 |
| ANGLES | ± 1° |

DO NOT SCALE DRAWING

| | | | | | |
|---|--|--------------|----------------------|----------------------------|----------|
| TITLE CABLE ASSEMBLY, 2.4mm COMPATIBLE PLUG TO 2.4mm COMPATIBLE PLUG, RUGGEDIZED | | SCALE 1:1 | CODE IDENT. 16301 | DWG NO. minibend LQG-XX | REV C |
| THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUPL. TO HANDBOOK H 28. | | | | | |

| | | | | |
|------|---------------------|----------|-------|--------------------|
| C | COMPANY LOGO UPDATE | 01/15/13 | EEF 2 | <i>[Signature]</i> |
| REV. | DESCRIPTION | DATE | BY | APPROVED |