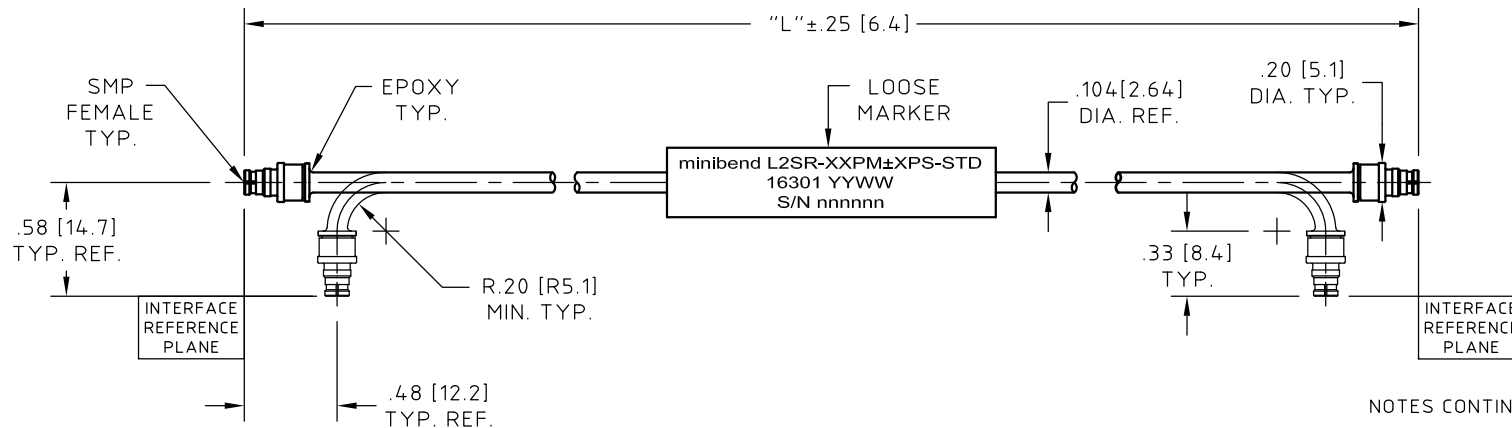


CONTROL DRAWING

minibend L2SR-XXPM±XPS-STD

B



NOTES CONTINUED:

HUBER+SUHNER Astrolab PART NUMBER	DIMENSION "L"	2.0 GHz		12.4 GHz		18.0 GHz	
		VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB
minibend L2SR-2.5PM±XPS-STD	2.50 [63.5]	1.25:1	0.20	1.35:1	0.42	1.50:1	0.59
minibend L2SR-3PM±XPS-STD	3.00 [76.2]	1.25:1	0.21	1.35:1	0.46	1.50:1	0.64
minibend L2SR-3.5PM±XPS-STD	3.50 [88.9]	1.25:1	0.22	1.35:1	0.49	1.50:1	0.69
minibend L2SR-4PM±XPS-STD	4.00 [101.6]	1.25:1	0.24	1.35:1	0.52	1.50:1	0.72
minibend L2SR-4.5PM±XPS-STD	4.50 [114.3]	1.25:1	0.25	1.35:1	0.55	1.50:1	0.76
minibend L2SR-5PM±XPS-STD	5.00 [127.0]	1.25:1	0.26	1.35:1	0.58	1.50:1	0.80
minibend L2SR-5.5PM±XPS-STD	5.50 [139.7]	1.25:1	0.27	1.35:1	0.61	1.50:1	0.83
minibend L2SR-6PM±XPS-STD	6.00 [152.4]	1.25:1	0.29	1.35:1	0.64	1.50:1	0.87
minibend L2SR-6.5PM±XPS-STD	6.50 [165.1]	1.25:1	0.30	1.35:1	0.67	1.50:1	0.91
minibend L2SR-7PM±XPS-STD	7.00 [177.8]	1.25:1	0.31	1.35:1	0.70	1.50:1	0.94
minibend L2SR-8PM±XPS-STD	8.00 [203.2]	1.25:1	0.33	1.35:1	0.76	1.50:1	1.02
minibend L2SR-9PM±XPS-STD	9.00 [228.6]	1.25:1	0.36	1.35:1	0.83	1.50:1	1.09
minibend L2SR-10PM±XPS-STD	10.00 [254.0]	1.25:1	0.38	1.35:1	0.89	1.50:1	1.16
minibend L2SR-11PM±XPS-STD	11.00 [279.4]	1.25:1	0.41	1.35:1	0.95	1.50:1	1.24
minibend L2SR-12PM±XPS-STD	12.00 [304.8]	1.25:1	0.43	1.35:1	1.01	1.50:1	1.31
minibend L2SR-13PM±XPS-STD	13.00 [330.2]	1.25:1	0.45	1.35:1	1.07	1.50:1	1.38
minibend L2SR-14PM±XPS-STD	14.00 [355.6]	1.25:1	0.48	1.35:1	1.13	1.50:1	1.46
minibend L2SR-15PM±XPS-STD	15.00 [381.0]	1.25:1	0.50	1.35:1	1.20	1.50:1	1.53
minibend L2SR-16PM±XPS-STD	16.00 [406.4]	1.25:1	0.53	1.35:1	1.26	1.50:1	1.60
minibend L2SR- PM± PS-STD							

NOTES:

- DESCRIPTION,  
CABLE ASSEMBLY, PHASE MATCHED SMP FEMALE TO SMP FEMALE, RUGGEDIZED. AND SUITABLE FOR COMPLEX, CONGESTED INSTALLATIONS. WHEN INSTALLED AND BEND AT THE MINIMUM BEND RADIUS, CABLE ASSEMBLY WILL TOLERATE MULTIPLE ±90PS ROTATIONS AT THE CABLE CONNECTOR JUNCTION.
- CABLE,  
COAXIAL CABLE HUBER+SUHNER Astrolab P/N 32024E MEETS OR EXCEEDS MIL-DTL-17. SEE HUBER+SUHNER Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
- CONNECTOR -A-, SMP FEMALE:  
HUBER+SUHNER Astrolab P/N 29473CR-32-24-1 INTERFACE DIMENSIONS IAW MIL-STD-348. SEE HUBER+SUHNER Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
- CONNECTOR -B-, SMP FEMALE:  
SAME AS CONNECTOR -A-.

5. MARKING:

LOOSE FITTING WHITE SLEEVING CAPTIVATED ON THE CABLE ASSEMBLY. MARKING INCLUDES THE HUBER+SUHNER Astrolab PART NUMBER, CAGE CODE AND THE DATE CODE FOR DATE OF MANUFACTURE. NO MARKING ON CABLE ASSEMBLIES SHORTER THAN 3.00 [76.2]. MARKING ON PACKAGING ONLY. SERIAL NUMBER PRESENT PER CUSTOMER REQUEST ONLY.

6. ELECTRICAL CHARACTERISTICS:

IMPEDANCE, 50.0 Ohms NOMINAL. FREQUENCY, INSERTION LOSS AND VSWR SEE CHART. PHASE MATCHED, ALL CABLE ASSEMBLIES WILL BE PHASE MATCHED TO A GOLDEN STANDARD.

7. MECHANICAL:

OPERATING TEMPERATURE RANGE, -55PS C TO +125PS C. PULL STRENGTH TO 25.0 LBS. [111.2 N].

8. ATTENUATION FORMULAS:

8A. CALCULATE AT 12.4 GHz  
(dB) = .72 dB/FT. X L(ft.)+ .30 dB  
8B. CALCULATE AT 18.0 GHz  
(dB) = .88 dB/FT. X L(ft.)+ .43 dB

SEE NOTE 8

NOT RoHS COMPLIANT

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	

NAME	DATE
PREP. EF	10/03/17
ELEC. RF	10/03/17
MECH. GSG	10/03/17
Q.C.	

HUBER+SUHNER  
Astrolab

THIS DRAWING CONTAINS PATENTABLE AND PROPRIETARY INFORMATION. THE DESIGN CANNOT BE USED WITHOUT WRITTEN PERMISSION OF HUBER + SUHNER ASTROLAB.

TITLE	CABLE ASSEMBLY, minibend L TYPE, SMP FEMALE TO SMP FEMALE, PHASE MATCHED.			
THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUPL. TO HANDBOOK H 28.	SCALE	CODE IDENT.	DWG NO.	REV
	1:1	16301	minibend L2SR-XXPM±XPS-STD	B

B	NOTE 6 UPDATED	10/04/17	EF	
REV.	DESCRIPTION	DATE	BY	APPROVED