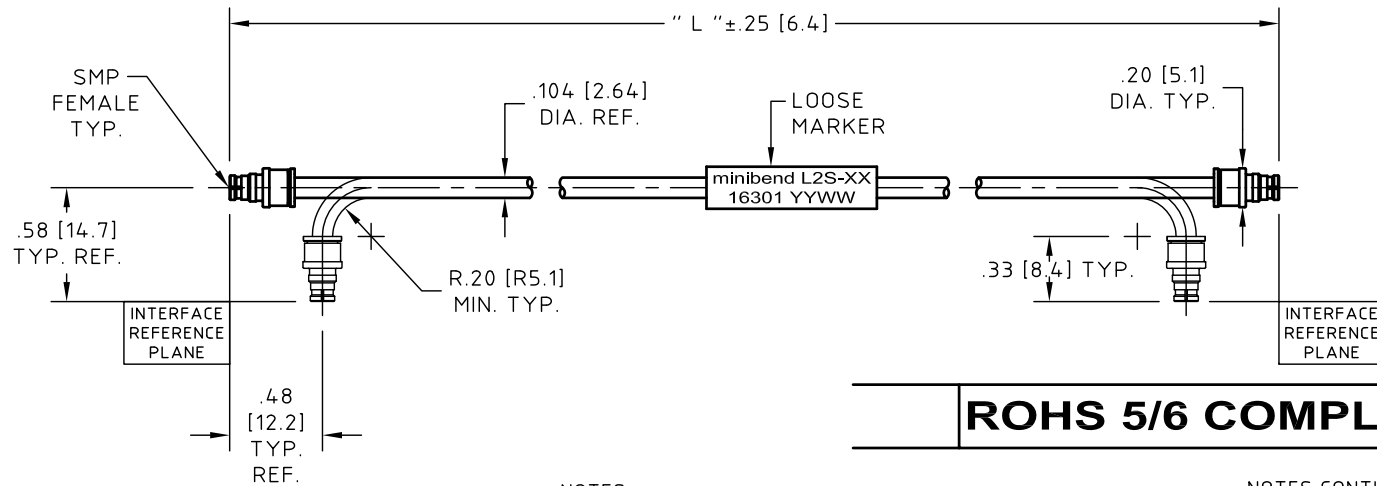


# CONTROL DRAWING

minibend L2S-XX

M



**ROHS 5/6 COMPLIANT**

**NOTES:**

- DESCRIPTION,  
CABLE ASSEMBLY, SMP FEMALE  
TO SMP FEMALE.
- CABLE,  
COAXIAL CABLE HUBER+SUHNER Astrolab P/N 32024  
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 29473C-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-.

**NOTES CONTINUED:**

- MARKING:  
LOOSE FITTING, WHITE SLEEVING CAPTIVATED  
ON THE CABLE ASSEMBLY.  
MARKING INCLUDES HUBER+SUHNER Astrolab  
PART NUMBER, CAGE CODE AND DATE  
CODE FOR DATE OF MANUFACTURE.  
OTHER MARKING AS DEFINED BY CUSTOMER.  
NO MARKING ON CABLE ASSEMBLIES SHORTER  
THAN 3.00 [76.2].  
MARKING ON PACKAGING 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 15.0 LBS [66.7 N].
- 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

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 L2S-2.5	2.50 [63.5]	1.25:1	0.20	1.35:1	0.42	1.50:1	0.59
minibend L2S-3	3.00 [76.2]	1.25:1	0.21	1.35:1	0.46	1.50:1	0.64
minibend L2S-3.5	3.50 [88.9]	1.25:1	0.22	1.35:1	0.49	1.50:1	0.69
minibend L2S-4	4.00 [101.6]	1.25:1	0.24	1.35:1	0.52	1.50:1	0.72
minibend L2S-4.5	4.50 [114.3]	1.25:1	0.25	1.35:1	0.55	1.50:1	0.76
minibend L2S-5	5.00 [127.0]	1.25:1	0.26	1.35:1	0.58	1.50:1	0.80
minibend L2S-5.5	5.50 [139.7]	1.25:1	0.27	1.35:1	0.61	1.50:1	0.83
minibend L2S-6	6.00 [152.4]	1.25:1	0.29	1.35:1	0.64	1.50:1	0.87
minibend L2S-6.5	6.50 [165.1]	1.25:1	0.30	1.35:1	0.67	1.50:1	0.91
minibend L2S-7	7.00 [177.8]	1.25:1	0.31	1.35:1	0.70	1.50:1	0.94
minibend L2S-8	8.00 [203.2]	1.25:1	0.33	1.35:1	0.76	1.50:1	1.02
minibend L2S-9	9.00 [228.6]	1.25:1	0.36	1.35:1	0.83	1.50:1	1.09
minibend L2S-10	10.00 [254.0]	1.25:1	0.38	1.35:1	0.89	1.50:1	1.16
minibend L2S-11	11.00 [279.4]	1.25:1	0.41	1.35:1	0.95	1.50:1	1.24
minibend L2S-12	12.00 [304.8]	1.25:1	0.43	1.35:1	1.01	1.50:1	1.31
minibend L2S-13	13.00 [330.2]	1.25:1	0.45	1.35:1	1.07	1.50:1	1.38
minibend L2S-14	14.00 [355.6]	1.25:1	0.48	1.35:1	1.13	1.50:1	1.46
minibend L2S-15	15.00 [381.0]	1.25:1	0.50	1.35:1	1.20	1.50:1	1.53
minibend L2S-16	16.00 [406.4]	1.25:1	0.53	1.35:1	1.26	1.50:1	1.60
minibend L2S-		1.25:1		1.35:1		1.50:1	

SEE NOTE 8

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. GSG	08/23/00
ELEC. RF	08/24/00
MECH. DPD	08/24/00
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 <b>CABLE ASSEMBLY, minibend L TYPE, SMP FEMALE TO SMP FEMALE</b>			
THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUPL. TO HANDBOOK H 28.	SCALE 1:1	CODE IDENT. 16301	DWG NO. minibend L2S-XX
M	ECN No. 15523	05/13/13	EB
REV.	DESCRIPTION	DATE	BY

M