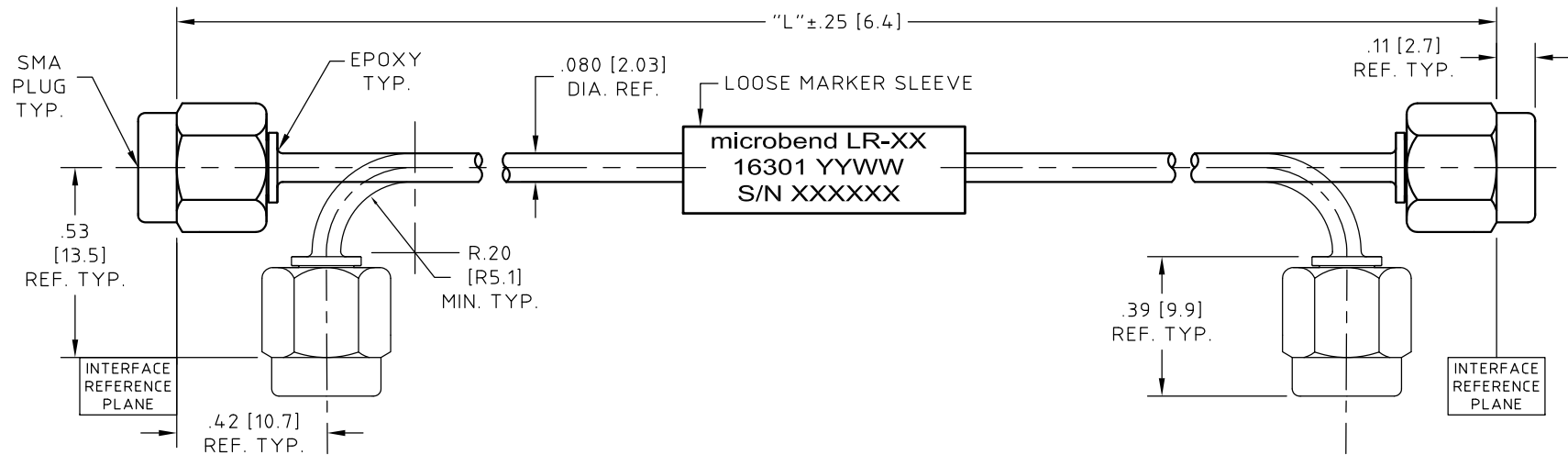


CONTROL DRAWING

microbend LR-XX



NOTES:

- DESCRIPTION,
CABLE ASSEMBLY, SMA PLUG TO SMA PLUG,
RUGGEDIZED AND SUITABLE FOR COMPLEX,
CONGESTED INSTALLATIONS.
WHEN INSTALLED AND BEND AT THE MINIMUM BEND
RADIUS, CABLE ASSEMBLY WILL TOLERATE MULTIPLE
±90° ROTATIONS AT THE CABLE CONNECTOR JUNCTION.
- CABLE,
COAXIAL CABLE HUBER+SUHNER Astrolab P/N 32085E
MEETS OR EXCEEDS MIL-DTL-17.
SEE HUBER+SUHNER Astrolab CONTROL DRAWING
FOR MATERIALS AND FINISHES.
- CONNECTOR -A-, SMA PLUG, microbend L:
HUBER+SUHNER Astrolab P/N 29094CR-32-85
INTERFACE DIMENSIONS IAW MIL-STD-348.
SEE HUBER+SUHNER Astrolab CONTROL DRAWING
FOR MATERIALS AND FINISHES.
- CONNECTOR -B-, SMA PLUG, microbend L:
SAME AS CONNECTOR -A-.

NOTES CONTINUED:

- 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.
(6) DIGIT SERIAL NUMBER SHOWN ONLY UPON
CUSTOMER REQUEST.
ALL 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 10.0 LBs. [44.5 N].

HUBER+SUHNER Astrolab PART NUMBER	DIMENSION "L" IN [mm]	2.0 GHz		18.0 GHz		26.5 GHz	
		VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB
microbend LR-2	2.00 [50.8]	1.20:1	0.16	1.35:1	0.43	1.40:1	0.53
microbend LR-2.5	2.50 [63.5]	1.20:1	0.18	1.35:1	0.48	1.40:1	0.59
microbend LR-3	3.00 [76.2]	1.20:1	0.19	1.35:1	0.53	1.40:1	0.65
microbend LR-3.5	3.50 [88.9]	1.20:1	0.21	1.35:1	0.57	1.40:1	0.70
microbend LR-4	4.00 [101.6]	1.20:1	0.22	1.35:1	0.62	1.40:1	0.76
microbend LR-4.5	4.50 [114.3]	1.20:1	0.24	1.35:1	0.66	1.40:1	0.81
microbend LR-5	5.00 [127.0]	1.20:1	0.25	1.35:1	0.71	1.40:1	0.87
microbend LR-5.5	5.50 [139.7]	1.20:1	0.27	1.35:1	0.75	1.40:1	0.93
microbend LR-6	6.00 [152.4]	1.20:1	0.28	1.35:1	0.80	1.40:1	0.98
microbend LR-6.5	6.50 [165.1]	1.20:1	0.30	1.35:1	0.85	1.40:1	1.04
microbend LR-7	7.00 [177.8]	1.20:1	0.31	1.35:1	0.89	1.40:1	1.09
microbend LR-8	8.00 [203.2]	1.20:1	0.34	1.35:1	0.98	1.40:1	1.21
microbend LR-9	9.00 [228.6]	1.20:1	0.37	1.35:1	1.08	1.40:1	1.32
microbend LR-10	10.00 [254.0]	1.20:1	0.40	1.35:1	1.17	1.40:1	1.43
microbend LR-11	11.00 [279.4]	1.20:1	0.43	1.35:1	1.26	1.40:1	1.54
microbend LR-12	12.00 [304.8]	1.20:1	0.46	1.35:1	1.35	1.40:1	1.66
microbend LR-13	13.00 [330.2]	1.20:1	0.49	1.35:1	1.44	1.40:1	1.77
microbend LR-14	14.00 [355.6]	1.20:1	0.52	1.35:1	1.53	1.40:1	1.88
microbend LR-15	15.00 [381.0]	1.20:1	0.55	1.35:1	1.63	1.40:1	1.99
microbend LR-16	16.00 [406.4]	1.20:1	0.58	1.35:1	1.72	1.40:1	2.10
microbend LR-							

RoHS 6 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. EB	02/12/16
ELEC. M.G.	02/12/16
MECH. GSG	02/12/16
Q.C.	



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

CABLE ASSY, microbend L, SMA PLUG TO SMA PLUG

D	ECN No. 18599	09/27/16	LEF	
REV.	DESCRIPTION	DATE	BY	APPROVED

THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUPL. TO HANDBOOK H 28.	SCALE 2:1	CODE IDENT. 16301	DWG NO. microbend LR-XX	REV D
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