

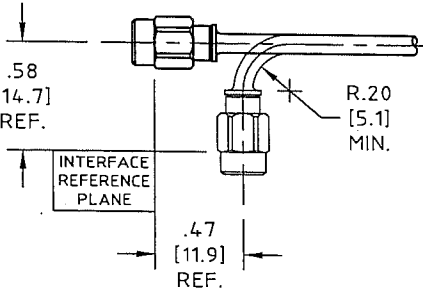
ASSEMBLY NO.	DIM. "L"	2.0 GHz		12.4 GHz		18.0 GHz		26.5 GHz	
		VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB
minibend AR-2.5	2.50 (63.5)	1.20:1	0.23	1.33:1	0.44	1.45:1	0.63	1.50:1	0.83
minibend AR-3	3.00 (76.2)	1.20:1	0.24	1.33:1	0.48	1.45:1	0.68	1.50:1	0.89
minibend AR-3.5	3.50 (88.9)	1.20:1	0.26	1.33:1	0.52	1.45:1	0.72	1.50:1	0.95
minibend AR-4	4.00 (101.6)	1.20:1	0.27	1.33:1	0.56	1.45:1	0.77	1.50:1	1.01
minibend AR-4.5	4.50 (114.3)	1.20:1	0.29	1.33:1	0.60	1.45:1	0.82	1.50:1	1.07
minibend AR-5	5.00 (127.0)	1.20:1	0.30	1.33:1	0.64	1.45:1	0.87	1.50:1	1.13
minibend AR-5.5	5.50 (139.7)	1.20:1	0.32	1.33:1	0.68	1.45:1	0.92	1.50:1	1.19
minibend AR-6	6.00 (152.4)	1.20:1	0.34	1.33:1	0.73	1.45:1	0.97	1.50:1	1.25
minibend AR-6.5	6.50 (165.1)	1.20:1	0.35	1.33:1	0.77	1.45:1	1.02	1.50:1	1.31
minibend AR-7	7.00 (177.8)	1.20:1	0.37	1.33:1	0.81	1.45:1	1.07	1.50:1	1.38
minibend AR-8	8.00 (203.2)	1.20:1	0.40	1.33:1	0.89	1.45:1	1.17	1.50:1	1.50
minibend AR-9	9.00 (228.6)	1.20:1	0.43	1.33:1	0.97	1.45:1	1.27	1.50:1	1.62
minibend AR-10	10.00 (254.0)	1.20:1	0.46	1.33:1	1.05	1.45:1	1.36	1.50:1	1.74
minibend AR-11	11.00 (279.4)	1.20:1	0.49	1.33:1	1.13	1.45:1	1.46	1.50:1	1.86
minibend AR-12	12.00 (304.8)	1.20:1	0.52	1.33:1	1.21	1.45:1	1.56	1.50:1	1.99
minibend AR-13	13.00 (330.2)	1.20:1	0.55	1.33:1	1.29	1.45:1	1.66	1.50:1	2.11
minibend AR-14	14.00 (355.6)	1.20:1	0.58	1.33:1	1.37	1.45:1	1.76	1.50:1	2.23
minibend AR-15	15.00 (381.0)	1.20:1	0.61	1.33:1	1.45	1.45:1	1.86	1.50:1	2.35
minibend AR-16	16.00 (406.4)	1.20:1	0.64	1.33:1	1.53	1.45:1	1.95	1.50:1	2.47
minibend AR-									

minibend AR-XX

L

CONTROL DRAWING

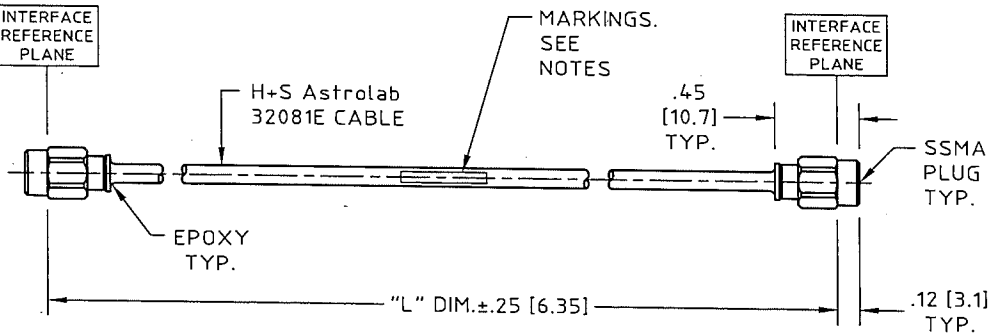
ALL minibend CABLE ASSEMBLIES ARE 99.9% LEAD FREE BY WEIGHT.



SHOWN ABOVE IS TYPICAL INSTALLATION.

NOTES:

- DESCRIPTION:
LOW OUTGASSING, CABLE ASSEMBLY, SSMA PLUG TO SSMA PLUG.
ASSEMBLY MEETS OR EXCEEDS NASA LOW OUTGASSING REQUIREMENTS.
- CABLE:
COAXIAL CABLE H+S Astrolab P/N 32081E MEETS OR EXCEEDS MIL-DTL-17
SEE H+S Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
- CONNECTOR -A-, SSMA PLUG:
H+S Astrolab P/N 29112CR-32-81
INTERFACE DIMENSIONS IAW MIL-STD-348.
SEE H+S Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
- CONNECTOR -B-, SSMA PLUG:
SAME AS CONNECTOR -A-.
- MARKING:
MARKING APPROXIMATELY CENTERED, DIRECTLY ON CABLE,
H+S Astrolab PART NUMBER AND DATE CODE.
NO MARKING ON CABLE ASSEMBLIES SHORTER THAN 3.00"
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].



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. A.W.	04/25/01
ELEC. R.F.	04/25/01
MECH. GSG	04/25/01
Q.C.	



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

TITLE
CABLE ASSEMBLY, SSMA PLUG TO SSMA PLUG, RUGGEDIZED

L	COMPANY LOGO UPDATE	01/15/13	EE	APPROVED	TITLE	SCALE	CODE IDENT.	DWG NO.	REV
REV.	DESCRIPTION	DATE	BY	APPROVED	THOS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUPL. TO HANDBOOK H 28.	1:1	16301	minibend AR-XX	L