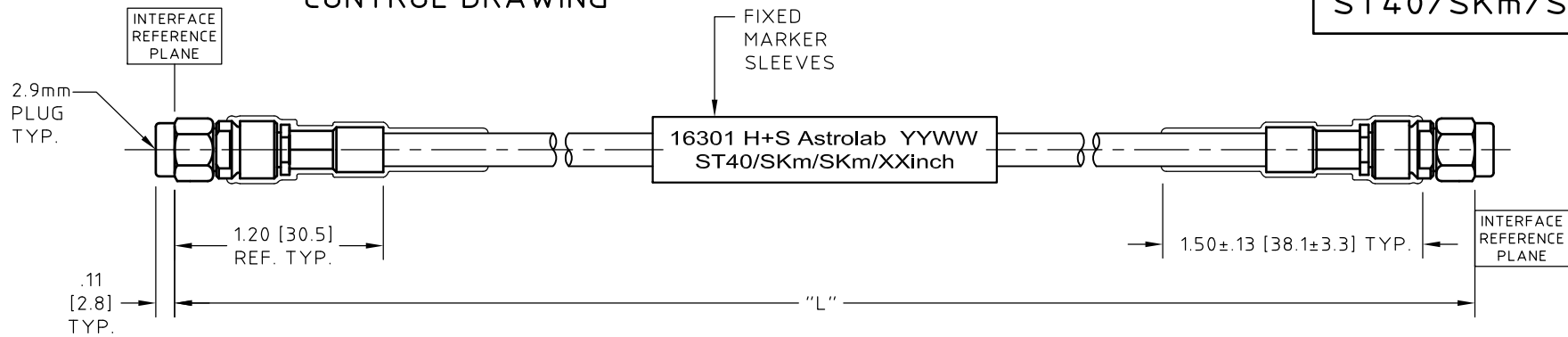


# CONTROL DRAWING

ST40/SKm/SKm/XXinch

B



**NOTES:**

- DESCRIPTION,  
COAXIAL, TEST CABLE ASSEMBLY,  
HIGH FREQUENCY, LOW LOSS.  
2.9mm PLUG TO 2.9mm PLUG CONNECTOR.
- CABLE,  
COAXIAL CABLE HUBER+SUHNER Astrolab P/N 32026  
MEETS OR EXCEEDS MIL-DTL-17  
SEE HUBER+SUHNER Astrolab CONTROL DRAWING  
FOR MATERIALS AND FINISHES.
- CONNECTOR -A-, 2.9mm PLUG:  
HUBER+SUHNER Astrolab P/N 29094KHT-ST40  
IAW MIL-STD-348.  
SEE HUBER+SUHNER Astrolab CONTROL DRAWING  
FOR MATERIALS AND FINISHES.
- CONNECTOR -B-, 2.9mm PLUG:  
SAME AS CONNECTOR -A-.
- MARKING:  
MATERIAL, HEAT SHRINKABLE SLEEVING PER  
SAE-AMS-DTL-23053.  
MARKING, .060 [1.52] MIN. TALL CHARACTERS IN  
CONTRASTING COLOR AND IAW MIL-STD-130,  
DATE CODE PER MIL-STD-1285  
MARKING PERMANENCE IAW SAE-AMS-81531.
- ELECTRICAL CHARACTERISTICS:  
IMPEDANCE,  
50.0 Ohms NOMINAL.  
FREQUENCY, INSERTION LOSS AND VSWR  
SEE CHART.
- MECHANICAL:  
OPERATING TEMPERATURE RANGE,  
-55° C TO +125° C.  
CABLE ASSEMBLY LENGTH "L"  
MEASURED IAW MIL-PRF-55427.

HUBER+SUHNER Astrolab PART NUMBER	DIMENSION "L" IN [mm]	2.0 GHz		18.0 GHz		26.0 GHz		40.0 GHz	
		VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB
ST40/SKm/SKm/24inch	24.00±.13 [609.6±3.3]	1.15:1	0.45	1.25:1	1.38	1.30:1	1.72	1.45:1	2.20
ST40/SKm/SKm/36inch	36.00±.18 [914.4±4.6]	1.15:1	0.62	1.25:1	1.92	1.30:1	2.38	1.45:1	3.03
ST40/SKm/SKm/48inch	48.00±.18 [1219.2±4.6]	1.15:1	0.80	1.25:1	2.46	1.30:1	3.04	1.45:1	3.87

**RoHS 6 COMPLIANT**

NAME	DATE	<p><b>HUBER+SUHNER</b> Astrolab</p> <p>THIS DRAWING CONTAINS PATENTABLE AND PROPRIETARY INFORMATION. THE DESIGN CANNOT BE USED WITHOUT WRITTEN PERMISSION OF HUBER + SUHNER ASTROLAB.</p>
PREP. EF	06/23/15	
ELEC. RF	06/23/15	
MECH. MG	06/23/15	
Q.C.		

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	<b>SUCOTEST, CABLE ASSEMBLY</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	CODE IDENT.	DWG NO.	REV
	1:1	16301	ST40/SKm/SKm/XXinch	B

B	ROHS 6 ADDED ; CONN. -A- WAS 29094K-ST40	07/28/15	EF	
REV.	DESCRIPTION	DATE	BY	APPROVED