CONTROL DRAWING

minibend LR-XX

NOTES:
1. 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.

2. CABLE:
   COAXIAL CABLE HUBER-SUHLER Astrolab P/N 32024E MEETS OR EXCEEDS MIL-DTL-17. SEE HUBER-SUHLER Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.

3. CONNECTOR -A- SMA PLUG:

4. CONNECTOR -B- SMA PLUG:
   SAME AS CONNECTOR -A-.

NOTES CONTINUED:
5. MARKING:
   LOOSE FITTING WHITE SLEEving CAPTIVATED ON THE CABLE ASSEMBLY. MARKING INCLUDES THE HUBER-SUHLER Astrolab PART NUMBER, CAGE CODE AND THE 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.

6. ELECTRICAL CHARACTERISTICS:
   IMPEDANCE: 50.0 Ohms NOMINAL. FREQUENCY, INSERTION LOSS AND VSWR SEE CHART.

7. MECHANICAL:
   OPERATING TEMPERATURE RANGE: -55°C TO +125°C. PULL STRENGTH TO 25.0 LBS [111.2 N].

8. ATTENUATION FORMULAS:
   8A. CALCULATE AT 18.0 GHz
   \((\Delta dB) = 0.88 \text{ dB/ft.} \times \text{Freq.} + 0.25 \text{ dB}\)
   8B. CALCULATE AT 26.5 GHz
   \((\Delta dB) = 1.08 \text{ dB/ft.} \times \text{Freq.} + 0.31 \text{ dB}\)


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ELEC.          | MECH.     | O.C.   |

T | ECN No. 15523 | 05/10/13 | EB |
REV. | DESCRIPTION | DATE | APPROVED |

THE DRAWING CONTAINS PATENTABLE AND PROPRIETARY INFORMATION. THE DESIGN CANNOT BE USED WITHOUT WRITTEN PERMISSION OF HUBER-SUHLER ASTROLAB.

CABLE ASSEMBLY, minibend L TYPE, SMA PLUG TO SMA PLUG, RUGGEDIZED

TITLE

FRACTIONS ± 1/16
X ± 0.30
XX ± 0.16
XXX ± 0.06
ANGLES ± 1°

DO NOT SCALE DRAWING

SCALE 1:1
CODE IDENT. 16301
DRAW NO. minibend LR-XX
REV T