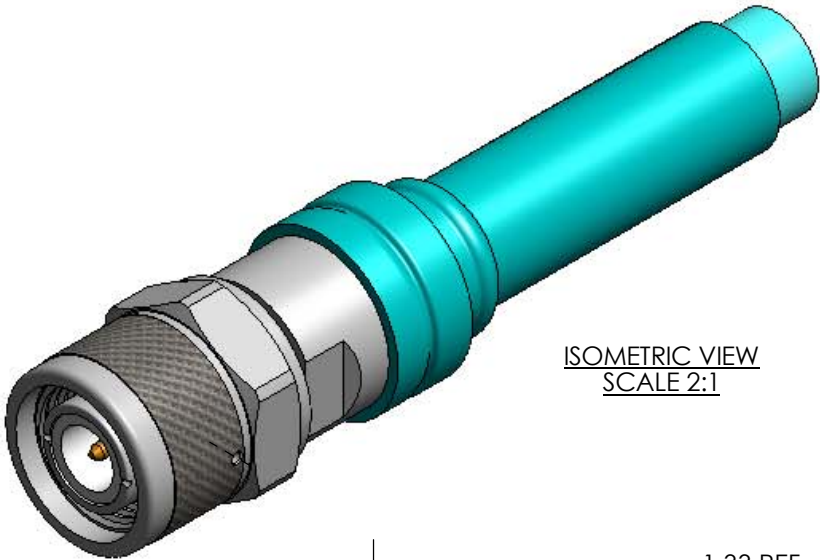
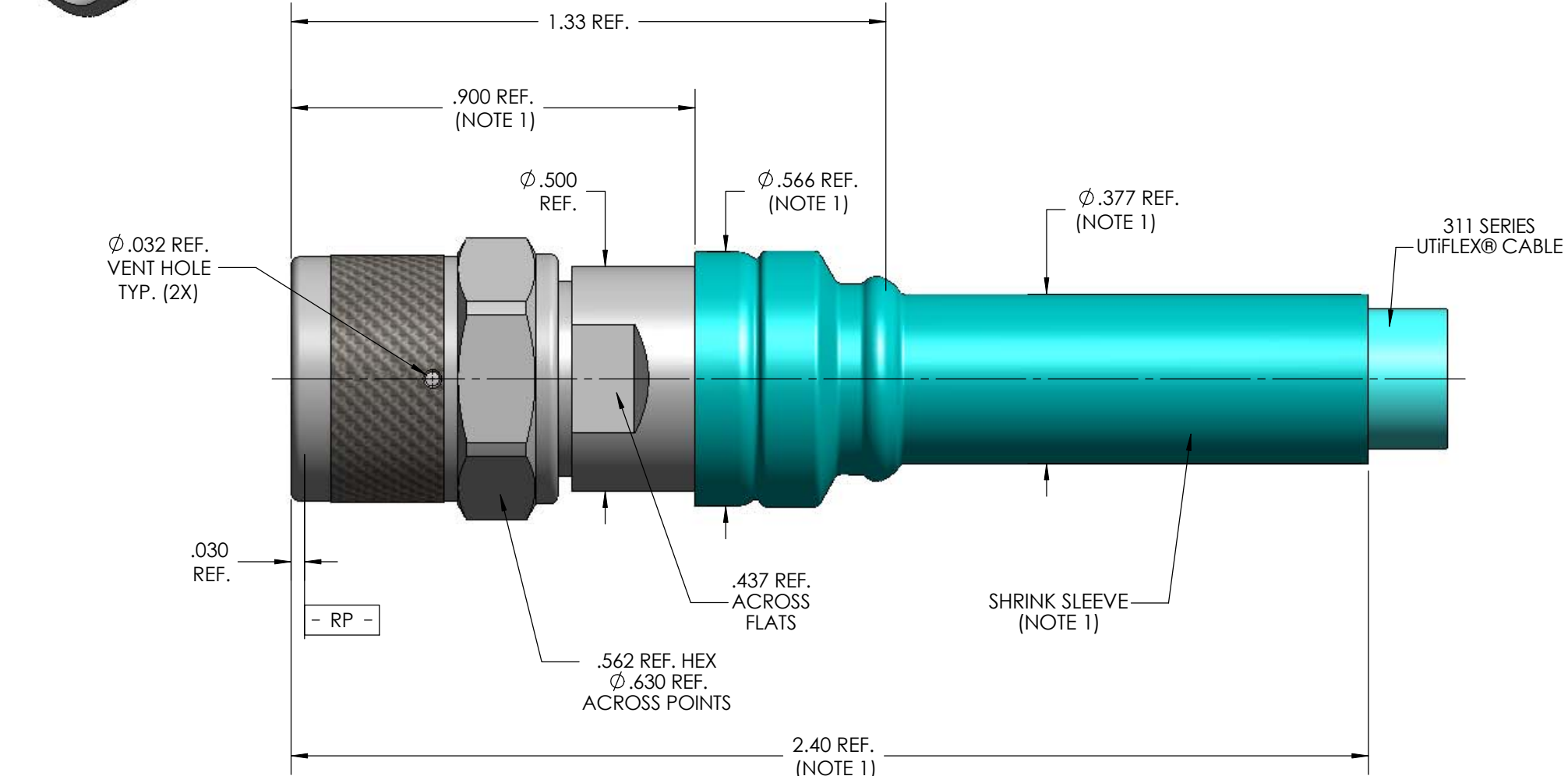


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIG. 313-1
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/26 REF.
RECOMMENDED MATING TORQUE	20.0 IN-LBS. NOM.
COUPLING PROOF TORQUE	25 IN-LBS. MIN
COUPLING NUT RETENTION	60 LBS MIN.
FORCE TO ENGAGE	2.0 IN-LBS. MAX.
FORCE TO DISENGAGE	2.0 IN-LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6.0 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6.0 LBS. MIN.
CABLE RETENTION	20 LBS. MIN.
MASS	19.39 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50.0 Ohms NOM.
MAXIMUM FREQUENCY	14.0 GHz
VSWR DC - 12.4 GHz	1.15:1MAX.
12.4 GHz - 14.0 GHz	1.20:1 MAX
INSERTION LOSS	0.04 √F (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1500 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 14 GHz	-90 dB MIN.
CORONA	375 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	1000 Vrms MIN.
CONTACT RESISTANCE (INNER)	4.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-65°C TO 165°C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION D
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION B
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%
MATERIALS AND FINISH	
CONTACT	BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290.
DIELECTRIC STOPS	POLYPHENYLENE SULFIDE, (PPS) PER ASTM-D-6358
BODY, CLAMP NUT, & COUPLING NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-197
CONTACT RING	BRASS, PER ASTM-B-16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
INSULATOR	TFE FLUOROCARBON, PER ASTM-D-1710
APPLICATION	
CABLE(S)	300 SERIES CABLE
INSTALLATION	PER CONFIGURATOR

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ISOMETRIC VIEW
SCALE 2:1



1.33 REF.

.900 REF. (NOTE 1)

Ø.500 REF.

Ø.566 REF. (NOTE 1)

Ø.377 REF. (NOTE 1)

311 SERIES UTIFLEX® CABLE

Ø.032 REF. VENT HOLE TYP. (2X)

.030 REF.

- RP -

.437 REF. ACROSS FLATS

.562 REF. HEX Ø.630 REF. ACROSS POINTS

SHRINK SLEEVE (NOTE 1)

2.40 REF. (NOTE 1)

NOTE:

1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

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	DWN.	JMK	6/9/06						
	CHKD.	CCF	03/08/13						
	APPVD.								
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE							
.XX	± .02	ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.							
.XXX	± .005								
.XXX	± .0010								
ANGLES	± 2°								
		FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV		
		64639	B	3:1	1 OF 1	SD904568	B		

SPECIFICATION DRAWING