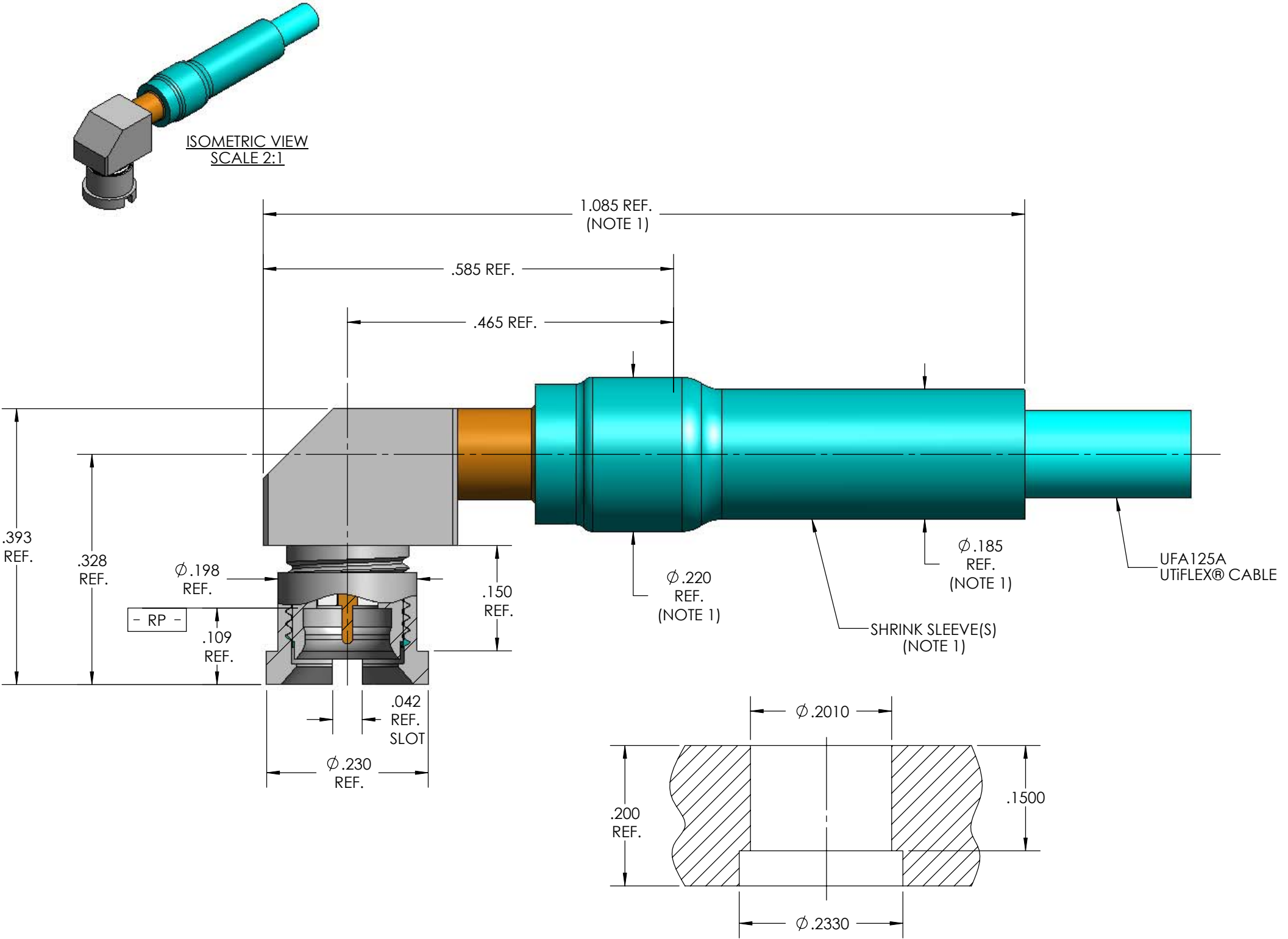


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 326-3 (LIMITED DETENT)
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	DSCC 94007 & 94008 REF.
FORCE TO ENGAGE	10.0 LBS. MAX.
FORCE TO DISENGAGE	2.0 LBS. MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	3.0 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	3.0 LBS. MIN.
CABLE RETENTION	CABLE DEPENDENT
DURABILITY	500 CYCLES MIN.
RECOMMENDED SHROUD TORQUE	6-8 IN-LBS.
MASS	1.94 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 18 GHz	1.20:1 MAX.
INSERTION LOSS	0.08 √F (GHz)dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	675 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 3 GHz	-80 dB
3 - 18 GHz	-65 dB
CORONA	180 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL (5 MHz)	450 Vrms MIN.
CONTACT RESISTANCE (INNER)	6.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-56 °C TO 121 °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, EXCEPT STEP 7B
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%
MATERIALS AND FINISH	
BODY, SHROUD	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967
REAR BODY, CONTACTS	BERYLLIUM COPPER, PER ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
DIELECTRIC STOP	POLYETHERIMIDE THERMOPLASTIC, UNREINFORCED, ASTM-D-5205
INSULATORS	TFE FLUOROCARBON, PER ASTM-D-1710
LOCKING PATCH	PER IFI-524 (NOTE 3)
APPLICATION	
CABLE(S)	UFA125A
INSTALLATION	PER CONFIGURATOR

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.



NOTE:

1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.
2. TEMPERATURE RANGE LIMITED BY LOCKING PATCH.
3. WITH EXCEPTIONS AS NOTED ON SHROUD DRAWINGS.

REV	DESCRIPTION	DATE	BY	APPVD	CHKD
A	INITIAL RELEASE - RDCR 77094	9/20/2010	MJM	RS	CCF

Technical drawing showing a cross-section of a cable assembly. The cable is labeled "UFA125A UTIFLEX® CABLE". The drawing includes dimensions and labels for various components:

- SHRINK SLEEVE(S) (NOTE 1)**: Indicated by arrows pointing to the sleeve on the cable.
- Ø.220 REF. (NOTE 1)**: Dimension for the outer diameter of the cable.
- Ø.185 REF. (NOTE 1)**: Dimension for the outer diameter of the shrink sleeve.
- 5 REF. (NOTE 1)**: Dimension for the length of the shrink sleeve.

Technical drawing showing a required panel cutout. The drawing includes dimensions and labels for various components:

- Ø.2010**: Dimension for the outer diameter of the cutout.
- Ø.2330**: Dimension for the outer diameter of the cutout.
- .1500**: Dimension for the thickness of the panel.
- .200 REF.**: Dimension for the thickness of the panel.

REQUIRED PANEL CUTOUT

SPECIFICATION DRAWING

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DWN.	MJM	11/7/07	CHKD.	CCF	8/24/10	APPVD.		
CHKD.	CCF	8/24/10	APPVD.					
APPVD.								
TOLERANCES UNLESS OTHERWISE SPECIFIED	TITLE	SMP MITER RIGHT ANGLE BULK HEAD PLUG LIMITED DETENT, LOCKING PATCH SHROUD, UFA125A	FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV
.XX	± .02	ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.	64639	B	6:1	1 OF 1	SD904816	A
.XXX	± .005							
.XXXX	± .0010							
ANGLES	± 2°							