

MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348A, NOTICE 3, FIGURE 304-1
SLANT SHEET	MIL-PRF-39012/1
RECOMMENDED MATING TORQUE	20 IN-LBS. NOM.
COUPLING PROOF TORQUE	25 IN-LBS. MIN.
COUPLING NUT RETENTION	100 LBS. MIN.
FORCE TO ENGAGE	6 IN-LBS. MAX.
FORCE TO DISENGAGE	6 IN-LBS. MAX.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MIN.
CABLE RETENTION	20 LBS. MIN.
MASS SHEET 1	35.61 GRAMS NOM.
MASS SHEET 2	39.30 GRAMS NOM.

#### ELECTRICAL CHARACTERISTICS

IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	12.4 GHz
VSWR DC - 12.4 GHz	1.16:1 MAX.
INSERTION LOSS	0.045 $\sqrt{f}$ (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1175 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 12.4 GHz	-90 dB MIN.
CORONA	300 Vrms MIN. @ 70,000 FT.
RF HIGH POTENTIAL	775 Vrms MIN.
CONTACT RESISTANCE (INNER)	1.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	0.2 MilliOhms MAX.

#### ENVIRONMENTAL CHARACTERISTICS

OPERATING TEMPERATURE	-62°C TO 165°C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION B
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%

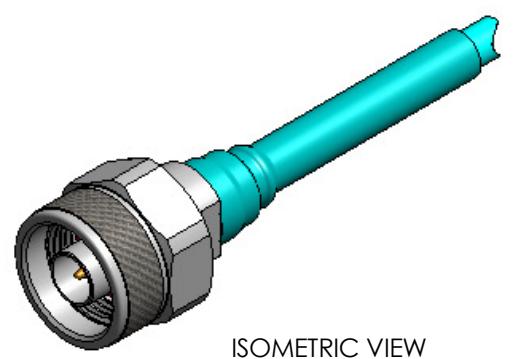
#### MATERIALS AND FINISH

CONTACT & CONTACT FLEA	BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER QQ-N-290.
FORWARD BEAD & DIELECTRIC STOP	POLYPHENYLENE SULFIDE (PPS), PER ASTM-D-6358
BODY, SLEEVE, 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
GASKET	SILICONE RUBBER PER ZZ-R-765
CONTACT RING	BRASS, PER ASTM-B-16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER QQ-N-290
FORWARD INSULATOR	TFE FLUOROCARBON, PER ASTM-D-1710
ELBOW	STEEL, CORROSION RESISTANT, PER ASTM-A-269, UNS NO. S30400 (TP 304) OR S30403 (TP 304L), PASSIVATED PER ASTM-A-967

#### APPLICATION

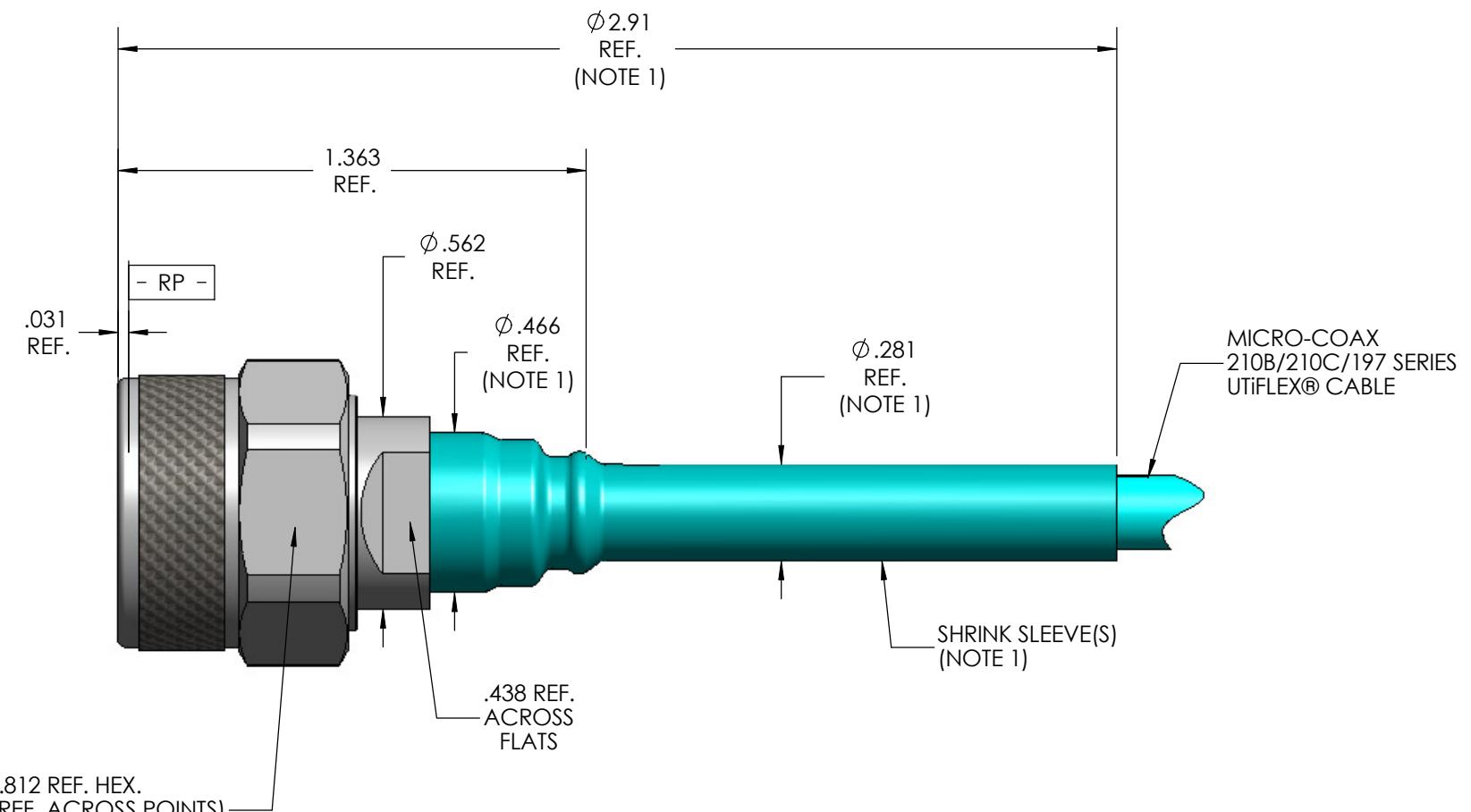
CABLE(S)	210B/210C/197 SERIES CABLE
INSTALLATION	PER CONFIGURATOR
CONNECTOR CODE SHEET 1	70U
CONNECTOR CODE SHEET 2	7GU

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ISOMETRIC VIEW  
SCALE 1:1

REV.	DESCRIPTION	DATE	BY	APPVD
A	INITIAL RELEASE	02/08/05	SRS	RS
B	ECO 55569	08/11/05	SRS	RS
B1	ECO 65239	8/3/2006	JMK	RS
C	ECO 85284	7/23/2008	PLM	JM
D	ECO 125530	10/2/2012	MJM	RS
E	ECO 135003	1/8/2013	MJM	RS



#### NOTE:

1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.
2. SEE SHEET 2 FOR 90° ELBOW CONFIGURATION.

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DWN. SRS	08/11/04	
CHKD. CCF	1/8/13	
APPVD.		

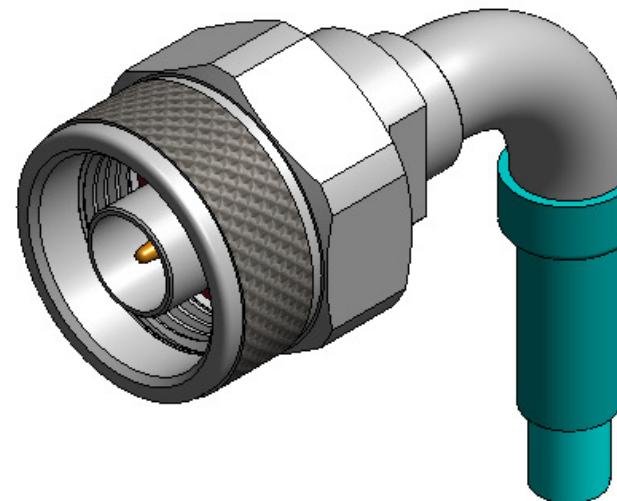
TOLERANCES UNLESS OTHERWISE SPECIFIED	TITLE				
.XX	± .02	N PLUG, 210B/210C/197X SERIES CABLE			
XXX	± .005	ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED.	FSCM NO.	SIZE	
XXXX	± .0010	SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.	64639	B	
ANGLES	± 2°	SHEET NO.	2:1	REV.	
		DRAWING NO.	1 OF 2	SD904116 E	

#### SPECIFICATION DRAWING

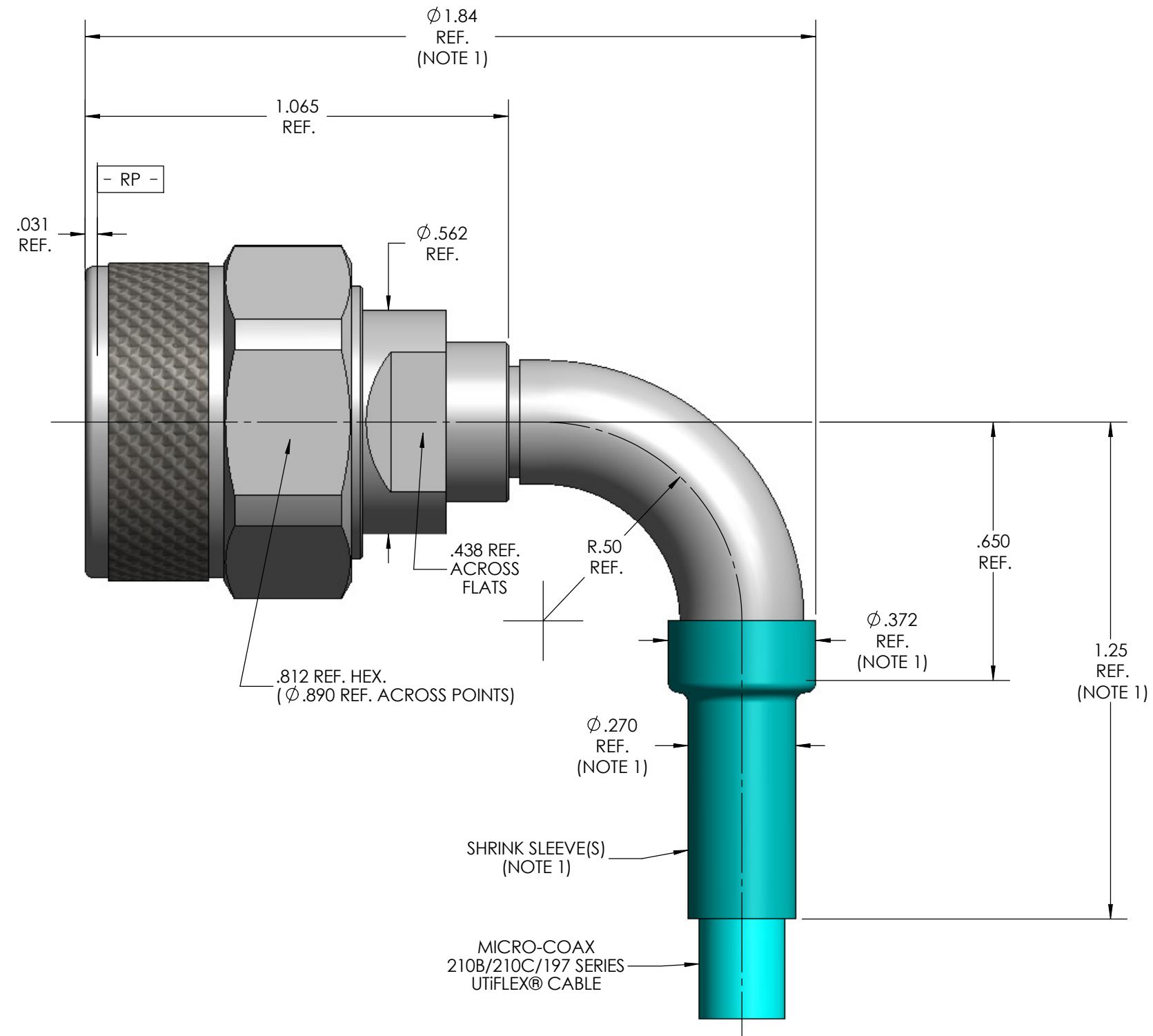
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ISOMETRIC VIEW  
SCALE 2:1



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IS SUBJECT TO CHANGE WITHOUT NOTICE.

ALL DIMENSIONS AND TOLERANCES IN INCHES UNLESS OTHERWISE SPECIFIED.	
DWN.	SRS
CHKD.	CCF
XX	± .02
XXX	± .005
XXXX	± .0010
ANGLES	± 2°

INITIALS	DATE
DWN.	SRS
CHKD.	CCF
APPVD.	

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TITLE N PLUG, 90° ELBOW, 210B/210C/197X SERIES CABLE

FSCM NO. 64639 SIZE B SCALE 3:1 SHEET NO. 2 OF 2 DRAWING NO. SD904116 REV. E