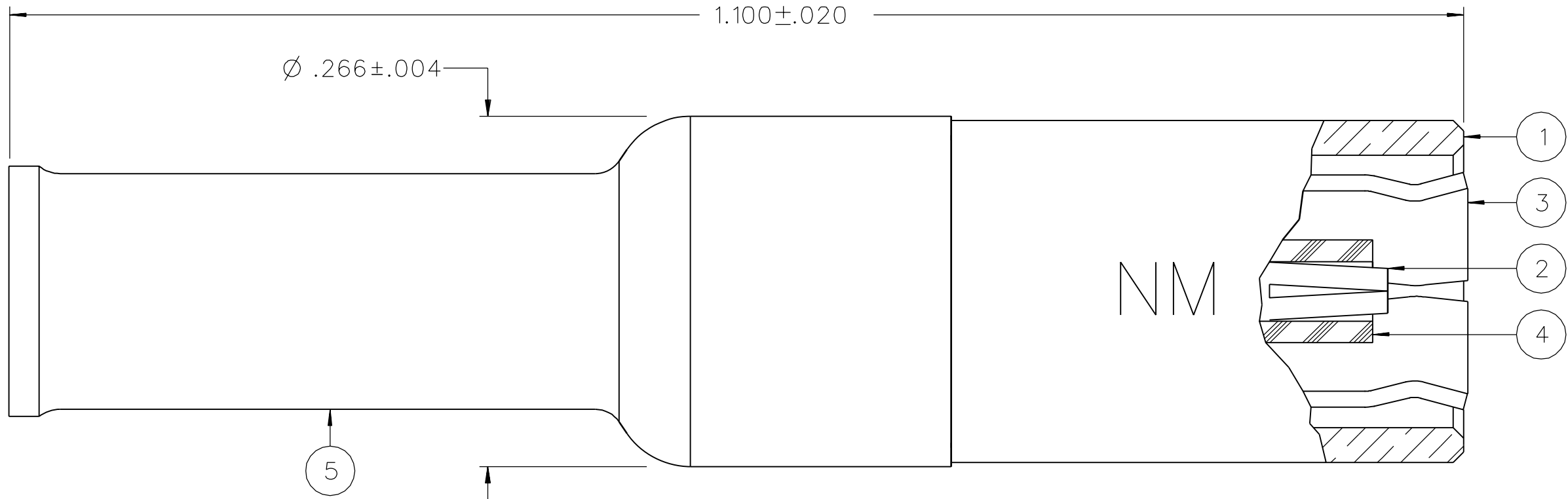


PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INTERFACE	ITEM ④ INSULATOR	ITEM ⑤ CRIMP SLEEVE
131-9404-001	COPPER ALLOY GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	COPPER ALLOY GOLD PL .00005 MIN OVER COPPER PL .00005 MIN
131-9404-004	COPPER ALLOY SILVER PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER SILVER PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER SILVER PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	COPPER ALLOY SILVER PL .00005 MIN OVER COPPER PL .00005 MIN



NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-4 GHZ
VSWR: 1.25+.04 F (F IN GHZ) (50 OHM CABLE ONLY)
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 1000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 6 MILLIOHM MAX, AFTER ENVIRONMENTAL 8 MILLIOHM MAX
OUTER CONDUCTOR - INITIAL 1MILLIOHM MAX, AFTER ENVIRONMENTAL 1.5 MILLIOHM MAX
BRAID TO BODY - 1MILLIOHM MAX AFTER ENVIRONMENTAL NOT APPLICABLE
CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: .30 DB MAX AT 1.5 GHZ (50 OHM CABLE ONLY)
RF LEAKAGE: -55 DB MIN AT 2.5 GHZ (50 OHM CABLE ONLY)
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 700 VRMS MIN AT 4 AND 7 MHZ

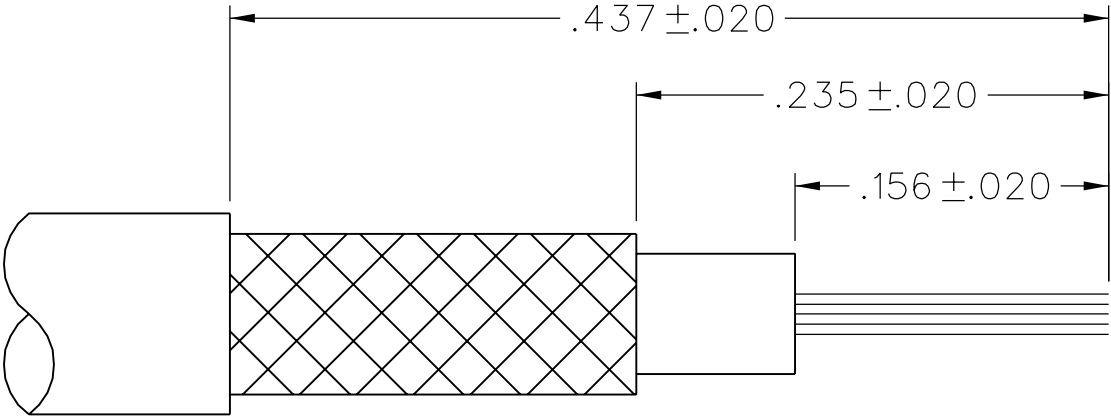
MECHANICAL:

ENGAGE/DISENGAGE FORCE: INITIAL 14 LBS MAX, AFTER DURABILITY 14 LBS MAX
ENGAGEMENT/2 LBS MIN DISENGAGEMENT
MATING TORQUE: NOT APPLICABLE
COUPLING PROOF TORQUE: NOT APPLICABLE
COUPLING NUT RETENTION: NOT APPLICABLE
CONTACT RETENTION: 4 LBS MIN AXIAL FORCE
CABLE ACCEPTABILITY: RG 316/U DOUBLE SHIELDED, RG 179 DOUBLE SHIELDED
RG 188/U DOUBLE SHIELDED, RG 187 DOUBLE SHIELDED
CABLE HEX CRIMP SIZE: .151
CONTACT CRIMP TOOL: P/N 141-0000-911.
CABLE RETENTION: 20 LBS MIN OR CABLE BREAKING STRENGTH
DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B
OPERATING TEMPERATURE: -65 DEG C TO 165 DEG C
CORROSION: MIL-STD-202, METHOD 101, CONDITION B
SHOCK: MIL-STD-202, METHOD 213, CONDITION B
VIBRATION: MIL-STD-202, METHOD 204, CONDITION B

2. CONNECTOR MARKED "NM" FOR NON-MAGNETIC.



CABLE STRIP DIMENSIONS

DRAWING NO.									
C - 131-9404-001/010									
0	REVISIONS								
ENGINEERING RELEASE									
1	7-18-03	R H	T A K	R J B				ECN 488	
COPPER ALLOY WAS COPPER, BODY P/N 131-9404-004 COPPER ALLOY WAS BRASS, VERSION UPDATE									
2	10-18-06	P A T	J D S	T A K				1-9-07 ECN 507	
.156±.020 WAS .156±.015, ADD: .235±.020, .437±.020, REMOVED: .281±.020, .219±.015									

* REVISION NUMBER FOLLOWED BY AN ALPHA									
* CHARACTER INDICATES DRAWING CLARIFICATION									
* CATION OR PART NUMBER ADDITION ONLY.									

2a	3-30-08	P A T	S M	J J U	C N			4-15-08 ECN 513	

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED
PER ASME Y 14.5M - 1994

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY RSH	DATE 2-18-03	 Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256	
DECIMALS	mm	CHECKED BY TAK	DATE 7-29-03		
.XX	_____	APPROVED BY RJB	DATE 7-29-03	TITLE PLUG ASSEMBLY, STRAIGHT CABLED, NON-MAGNETIC SMB, 50 OHM, RG 316 DS	
.XXX	_____	RELEASE DATE	7-29-03	SHEET 2 OF 2	DRAWING NO. C - 131-9404-001/010
MATL	_____	U/M	INCH	SCALE	10:1
FINISH	_____				