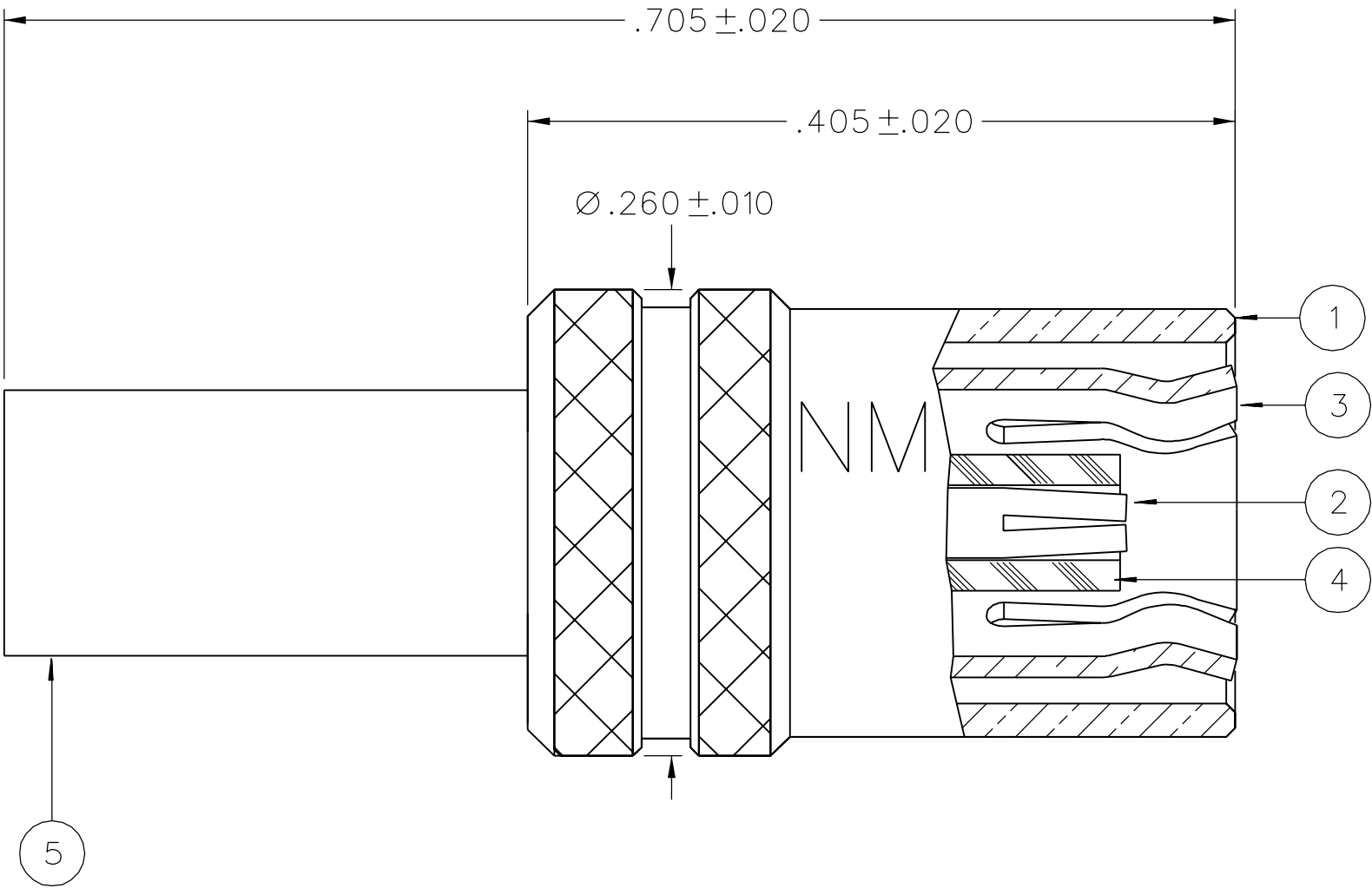


| PART NUMBER  | ITEM ①<br>BODY                                                  | ITEM ②<br>CONTACT                                               | ITEM ③<br>INTERFACE                                             | ITEM ④<br>INSULATOR<br>TEFLON | ITEM ⑤<br>CRIMP SLEEVE                                          |
|--------------|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------|-----------------------------------------------------------------|
| 131-9403-021 | COPPER ALLOY<br>GOLD PL .00005 MIN OVER<br>COPPER PL .00005 MIN | COPPER ALLOY<br>GOLD PL .00005 MIN OVER<br>COPPER PL .00005 MIN | COPPER ALLOY<br>GOLD PL .00005 MIN OVER<br>COPPER PL .00005 MIN |                               | COPPER ALLOY<br>GOLD PL .00005 MIN OVER<br>COPPER PL .00005 MIN |



NOTES:

1. SPECIFICATIONS:

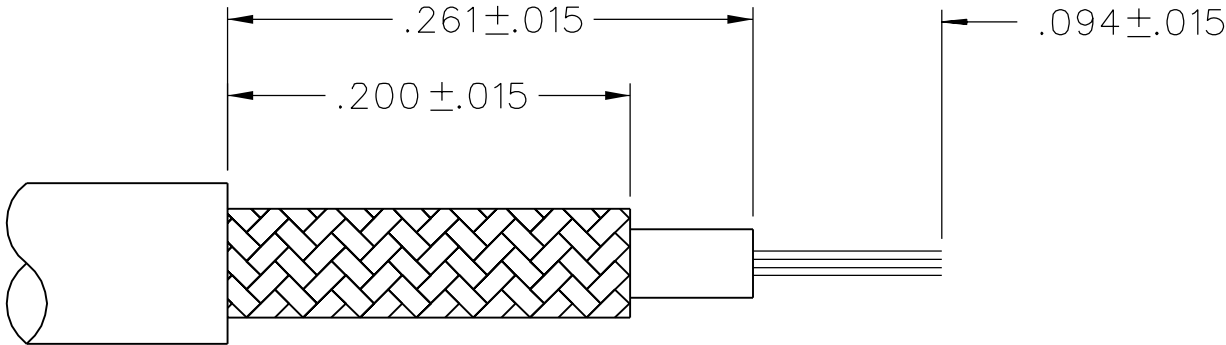
IMPEDANCE: 50 OHMS  
FREQUENCY RANGE: 0-4 GHZ  
VSWR: 1.25+.04 F (F IN GHZ) (50 OHM CABLE ONLY)  
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL  
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL  
INSULATION RESISTANCE: 1000 MEGOHM MIN  
CONTACT RESISTANCE:  
CENTER CONTACT - INITIAL 6 MILLIOHM MAX, AFTER ENVIRONMENTAL 8 MILLIOHM MAX  
OUTER CONDUCTOR - GOLD PLATED AND SILVER PLATED INITIAL 1 MILLIOHM MAX, AFTER ENVIRONMENTAL 1.5 MILLIOHM MAX, NICKEL PLATED INITIAL 2.5 MILLIOHM MAX, AFTER ENVIRONMENTAL 3.5 MILLIOHM MAX  
BRAID TO BODY - GOLD PLATED AND SILVER PLATED INITIAL 1 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE, NICKEL PLATED INITIAL 2.5 MILLIOHM 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 188/U, RG 316/U, RG 179/U, RG 174/U, RG 161/U, RG 187/U  
CABLE HEX CRIMP SIZE: .128  
CONTACT CRIMP TOOL:  
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



CABLE STRIP DIMENSIONS

|                                                           |                                                                                                            |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| DRAWING NO.<br>C - 131-9403-021/030                       |                                                                                                            |
| 0                                                         | REVISIONS                                                                                                  |
| ENGINEERING RELEASE                                       |                                                                                                            |
| 1                                                         | 9-26-08<br>P<br>A<br>T<br>B<br>T<br>W<br>T<br>A<br>K<br>M<br>J<br>U<br>T<br>J<br>S<br>10-8-08<br>ECN 51650 |
| CUSTOMER DRAWING                                          |                                                                                                            |
| THIS DRAWING TO BE INTERPRETED<br>PER ASME Y 14.5M - 1994 |                                                                                                            |
| "μSTATION"                                                |                                                                                                            |
| COMPANY CONFIDENTIAL                                      |                                                                                                            |

|                                      |       |                    |  |                 |  |                                                                                                                                                                                                               |  |
|--------------------------------------|-------|--------------------|--|-----------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| TOLERANCE UNLESS OTHERWISE SPECIFIED |       | DRAWN BY<br>BTW    |  | DATE<br>5-23-08 |  | <div><div>Connectivity Solutions</div><div>P.O. Box 1732</div><div>Waseca, MN 56093</div><div>1-800-247-8256</div></div> |  |
| DECIMALS                             |       | CHECKED BY<br>TJS  |  | DATE<br>10-8-08 |  |                                                                                                                                                                                                               |  |
| .XX                                  | _____ |                    |  |                 |  |                                                                                                                                                                                                               |  |
| .XXX                                 |       |                    |  |                 |  | TITLE<br>PLUG ASSEMBLY, 3 PIECE<br>STRAIGHT CABLED RG 316<br>SMB NON-MAGNETIC                                                                                                                                 |  |
| MATL                                 |       | APPROVED BY<br>TAK |  | DATE<br>10-8-08 |  |                                                                                                                                                                                                               |  |
|                                      |       |                    |  |                 |  |                                                                                                                                                                                                               |  |
| FINISH                               |       | RELEASE DATE       |  | 10-8-08         |  | SHEET<br>2 OF 2                                                                                                                                                                                               |  |
|                                      |       | U/M INCH           |  | SCALE 10:1      |  |                                                                                                                                                                                                               |  |
|                                      |       |                    |  |                 |  | DRAWING NO.<br>C - 131-9403-021/030                                                                                                                                                                           |  |