

Technical drawing of a cable strip assembly. The main view shows a side profile of the assembly with dimensions: .271 (total length), .209 (length of the main body), and Ø.135 MAX (maximum diameter of the central pin). Callout 1 points to the top of the main body, and callout 4 points to the bottom of the main body. A detail view on the right shows a cross-section of the cable strip with callout 5 pointing to the outer conductor. A dimension of .083 is shown for the height of the cable strip. A detail view at the bottom right shows a cross-section of the cable strip with a dimension of .075 ± .005.

NOTES:

1. SPECIFICATIONS:

IMPEDENCE: 50 OHMS NOMINAL
 FREQUENCY RANGE: 0-18 GHz
 VSWR: 1.20 MAX (0-18 GHz)
 WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
 DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS MIN AT SEA LEVEL
 INSULATION RESISTANCE: 5000 MEGOHM MIN
 CONTACT RESISTANCE:
 CENTER CONTACT - INITIAL 6.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
 OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
 CABLE SHIELD TO CONNECTOR BODY - INITIAL 0.5 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE

INSERTION LOSS: $0.12\sqrt{F}$ (GHz) dB MAX, TESTED AT 10 GHz
 CORONA LEVEL: 190 VOLTS MIN AT 70,000 FEET
 RF LEAKAGE: -80 dB TYPICAL, TESTED AT 2.5 GHz
 RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 325 VRMS MIN AT 4 AND 7 MHz

MECHANICAL:

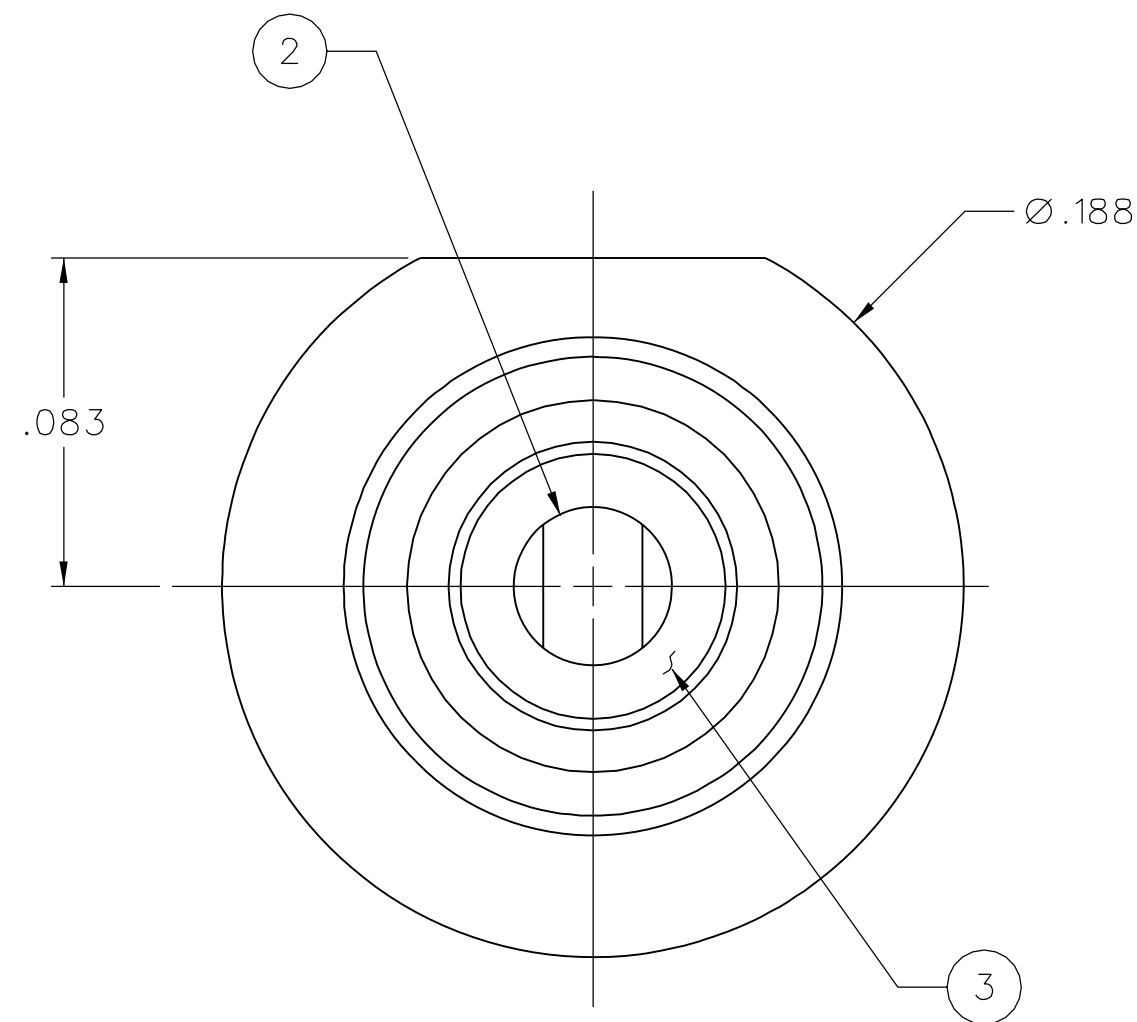
INTERFACE DESIGN: IN ACCORDANCE WITH MIL-STD-348A, SERIES SMP
 ENGAGEMENT FORCE: 15.0 LBS MAX (FULL DETENT)
 DISENGAGEMENT FORCE: 5.0 LBS MIN (FULL DETENT)
 CONTACT RETENTION: 1.5 LBS MIN AXIAL FORCE
 CABLE ACCEPTABILITY: MIL-C-17/133, RG 405/U
 CABLE RETENTION: 30 LBS MIN AXIAL FORCE
 16 IN-OUNCE MIN TORQUE
 DURABILITY: 100 CYCLES MIN (FULL DETENT)

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF DSCC DWG NO. 94007)
 OPERATING TEMPERATURE: -65°C TO 165°C
 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B, EXCEPT 125°C HIGH TEMP
 MECHANICAL SHOCK: MIL-STD-202, METHOD 213, CONDITION I
 CORROSION: MIL-STD-202, METHOD 101, CONDITION B
 VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106, EXCEPT STEP 7B OMITTED

CABLE STRIP DIMENSION

10:1



10:1

CUSTOMER DRAWING

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

" μ STATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY PAT		DATE 3-26-07		 cinch CONNECTIVITY SOLUTIONS a bel group		Cinch Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256	
DECIMALS .XX	mm	CHECKED BY JRK	DATE 7-30-07		TITLE SMP FEMALE, RIGHT ANGLE CABLED RG-405 (.086) SEMI-RIGID				
.XXX±.005		APPROVED BY PDW	DATE 7-30-07						
MATL		RELEASE DATE 7-30-07		SHEET 2 OF 2		DRAWING NO. C - 127-0693-101/110			
FINISH		U/M	INCH	SCALE	20:1				