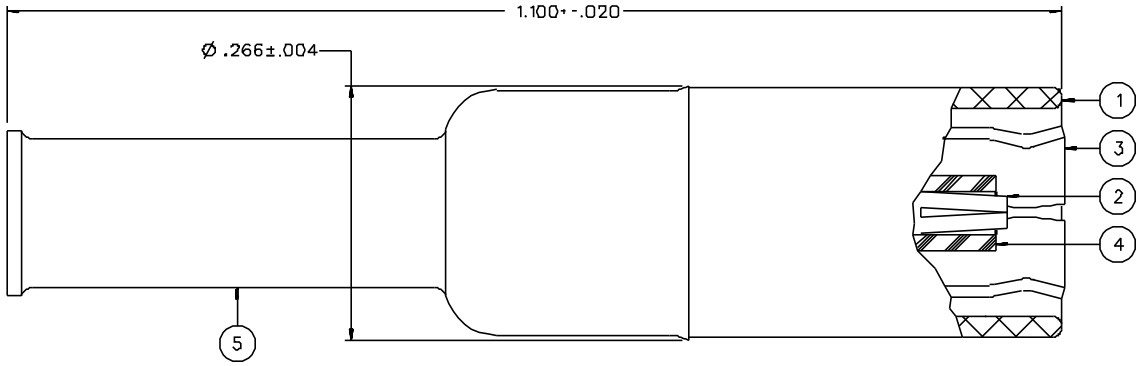
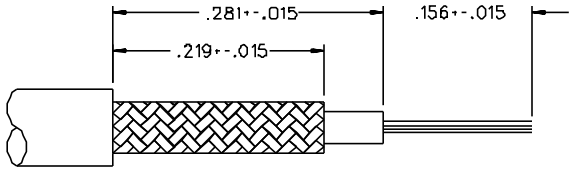
PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INTERFACE	ITEM ④ INSULATOR	ITEM ⑤ CRIMP SLEEVE
131-1403-001	ZINC GOLD PL .00001 MIN OVER NICKEL PL .00015 MIN OVER COPPER PL .0005 MIN	BERYLLIUM COPPER GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	COPPER GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN
131-1403-006	ZINC NICKEL PL .00015 MIN OVER COPPER PL .0005 MIN	BERYLLIUM COPPER GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN
131-1403-016	ZINC NICKEL PL .00015 MIN OVER COPPER PL .0005 MIN	BERYLLIUM COPPER GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	TEFLON	COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN





CABLE STRIP DIMENSIONS

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 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 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: JCI PART NUMBER 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-C-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

DRAWING NO.
C - 131-1403-001/020

0	REVISIONS
	ADDED: DIA .266+-.004. CHANGED: REVISED AND REDRAWN. WAS "D" SIZE, DATED 1-7-86.
5	8-9-90 EJ RJB AW 8-10-90 ECO 24803
	VERSION UPDATE
6	10-21-91 RH RJB HCM 10-30-91 ECO 40649
	ADDED: (50 OHM CABLE ONLY) TO VSWR, INSERTION LOSS AND RF LEAK SPECS, "GOLD PLATED INITIAL.... NICKEL PLATED INITIAL..." TO BRAID TO BODY CHANGED: RF LEAK 2.5 GHZ WAS 2 TO 3 GHZ, RF HIGH POT 4 AND 7 MHZ WAS 5 MHZ
7	3-29-93 RH JRK TAK RJB PAH 4-14-93 ECO 41736
	VERSION UPDATE
8	4-27-95 RH TAK RJB PAH 6-15-95 ECN 43337
	CHANGED: ITEM 2 CONTACT WAS BRASS ADDED: CRIMP TOOL NOTE
9	9-20-97 RH SMC TAK RJB ECN 44959
	VERSION UPDATE
	* REVISION NUMBER FOLLOWED BY AN ALPHA * CHARACTER INDICATES DRAWING CLARIFI- CATION OR PART NUMBER ADDITION ONLY. *
9a	2-11-98 RH SMC TAK RJB ECN 45215

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED PER ANSI Y 14.5M - 1982

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY EJ	DATE 8-9-90	JOHNSON	Cinch Connectivity Solutions 299 Johnson Ave. Ste. 100 Waseca, MN 56093 1-800-247-8256
DECIMALS .XX	mm	CHECKED BY	DATE	TITLE PLUG ASSEMBLY STRAIGHT CABLED SMB, 50 OHM, RG 316	
.XXX		APPROVED BY	DATE		
MATL		APPROVED BY RJB	DATE 8-10-90	CODE NO.	DRAWING NO. C - 131-1403-001/020
FINISH		RELEASE DATE	8-10-90 (3-11-86)	SCALE 10:1	U/M INCH SHEET 2 OF 2