PART NUMBER	ITEM (1) BODY	ITEM ② SLIDER	ITEM 3 CONTACT	ITEM 4 INSULATOR	ITEM (5) RETENTION SPRINGS	ITEM 6 COUPLING NUT	ITEM (7) CRIMP SLEEVE		DRAWING NO. () - 142-1403-001/010
142-1403-001	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER	TEFLON	BERYLLIUM COPPER UNPLATED	BERYLLIUM COPPER NICKEL PL .0001 MIN COPPER PL .00005	OVER NICKEL PL .0001 MIN COPPER PL .00005		0 REVISIONS
	COPPER PL .00005 MIN	COTTENTE .GGGGG WIIIV	NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN			0011211121210000			ENGINEERING RELEASE 1 03-02-04 A ECN 49122 VERSION UPDATE ***********************************
INSTRUC	CTIONS FOR USE	•				CAUTION	\ :		1a 6-19-06 A J D J ECN 50503
1. WITH SLID TIGHTEN	ER AT THE ENGAGED POS (SPIN) THE KNURLED COUP	SITION, THE CONNECTOR F PLING NUT BY HAND TO	FUNCTIONS LIKE A STANDA OBTAIN FULL MATING ENG	RD SMA C AGEMENT	ONNECTOR. OR DISENGAGEMEN	1. THIS SMA IT. DURABILIT	PLUG CONNECTOR IS DETERMINED FOR THE PLUG CONNECTOR IS DESCRIPTION OF LIFE IN T)ESIGNED FOR HIGH EST APPLICATIONS	
2. QUICK CO A. WITH S OVER		ED POSITION, SLIDE THE USHING ON THE BACK OF	CABLED CONNECTOR ONTO The knurled nut.	AN SMA	JACK RECEPTACLE	E, WITH A S AN SMA ,	R, IT IS DESIGNED FOR L SINGLE JACK RECEPTACL JACK RECEPTACLE MAY	LE. Experience	
B. ENGAG SLIPPIN	E THE SLIDER WHILE MAIN G YOUR FINGERS FROM 1	NTAINING LIGHT FORWARD THE NUT TO THE SLIDER	PRESSURE ON THE NUT. IN ONE MOTION.	THIS ACTI	ON IS DONE BY	THREAD I ENGAGEM	PLATING WEAR AFTER M ENTS.	IANY	
TURNE	THE SLIDER IS ENGAGED) 1 TURN OR LESS TO OE NGAGEMENT SMA PERFORI	BTAIN	BE	1 7/	49±.020				
LOOSEN	AGE THE CONNECTOR BY NING THE KNURLED NUT A THEN DISENGAGE THE SLI	A PARTIAL (7	7)	6	+9 <u>-</u> .020	2			
AND RE	EMOVE THE CONNECTOR.						4 7/0		
								•	
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					1)	
							3	Ø .515 ±.010	
				+					
NOTES: 1. SPECIFICA	TIONS:								
FREQUENC	E: 50 OHMS CY RANGE: 0-12.4 GHz 5+.02 F MAX (F IN GHz)		5						
WORKING DIELECTRI INSULATIO	VOLTAGE: 250 VRMS MAX AT S C WITHSTANDING VOLTAGE: 750 N RESISTANCE: 5000 MEGOHM N RESISTANCE:	SEA LEVEL) VRMS MIN AT SEA LEVEL MIN					SLIDER DISEN	GAGED	
CENTE	ER CONTACT - INITIAL 3.0 MILLIO ENVIRONMENTAL 4 R CONDUCTOR - INITIAL 2.0 MILL	.O MILLIOHM MAX LIOHM MAX	COUPLING	NUT	SI	.IDER —	SLIDER ENGAGED	-	
	AFTER ENVIRONN TO CABLE - 0.5 MILLIOHM MAX 5.0 MILLIOHM MAX EVEL: 190 VOLTS MIN AT 70,0	(NICKEL PLATED)	(TURN TO TI	GHTEN)					
INSERTION RF LEAKA	I LOSS: .06 /F dB MAX (F IN AGE: -60 DB MIN AT 2.5 GHZ POTENTIAL WITHSTANDING VOLTA	I GHz) AT 6 GHz	7 MHz						
	DISENGAGE TORQUE: 2 INCH-POU	INDS MAX							CUSTOMER DRAWING
COUPLING COUPLING	ORQUE: 7-10 INCH POUNDS PROOF TORQUE: 15 INCH-POUN NUT RETENTION: 60 LBS MIN RETENTION: 6 LBS MIN	IDS MIN	 -		.855	►			THIS DRAWING TO BE INTERPRETED PER ASME Y 14.5M - 1994
CABLE AC CABLE HE	CCEPTABILITY: RG 188/U, RG 316 RG 161/U, RG 174 X CRIMP SIZE: .128	·/U		-	.575	-			"μSTATION" COMPANY CONFIDENTIAL
	TENTION: 20 LBS MIN AXIAL FO Y: 500 CYCLES MIN ENTAL:	NCE				0	TOLERANCE UNLESS THERWISE SPECIFIED T.A.Kar	-i 9-1-03	Cinch Connectivity Solutions P.O. Box 1732
THERMAL	OR EXCEEDS THE APPLICABLE PA SHOCK: MIL-STD-202, METHOD 85° C HIGH TEMP		(/			.XX.	XX	TITLE	CONNECTIVITY SOLUTIONS Waseca, MN 56093 1-800-247-8256 STRAIGHT PLUG CABLE
OPERATIN' CORROSIO SHOCK: M	G TEMPERATURE: -65° C TO 16 N: MIL-STD-202, METHOD 101, C MIL-STD-202, METHOD 213, CONE	CONDITION B DITION I	CABLE 4:1	STRIF	P DIMENSION		I.A.Karı	9-1-03 SN	MA, QUICK CONNECT COUPLING, CRIMP TYPE, RG-316
MOISTURE	N: MIL-STD-202, METHOD 204, (RESISTANCE: MIL-STD-202, ME	THOD 106	4.1			FINI	SH RELEASE DAT	JIILL I	DRAWING NO. $-142-1403-001/010$

DRAWING NO.

							COMI AN	I CONTIDENTIAL	
TOLERANCE OTHERWISE S	DRAWN BY T.A.Kari		DATE 9-1-03			cinch	Cinch Connectivity Solution P.O. Box 1732		
DECIMALS .XX ———	mm ———		KED BY	DA	TE	₹ co	NNECTIVITY SOLUTIONS pel group	Waseca, MN 56093 1-800-247-8256	
.XXX		1000	21/50 01/	5.4	T.C.	TITLE	STRAIGHT	PLUG CABLE	
MATL		APPROVED BY T.A.Kari		DATE 9-1-03		SMA, QUICK CONNECT COUPLING, CRIMP TYPE, RG-316			
FINISH		RELEASE DATE		32-04		SHEET	DRAWING NO.		
		U/M	INCH	SCALE	8:1	2 OF 2	(-1403-001/010	