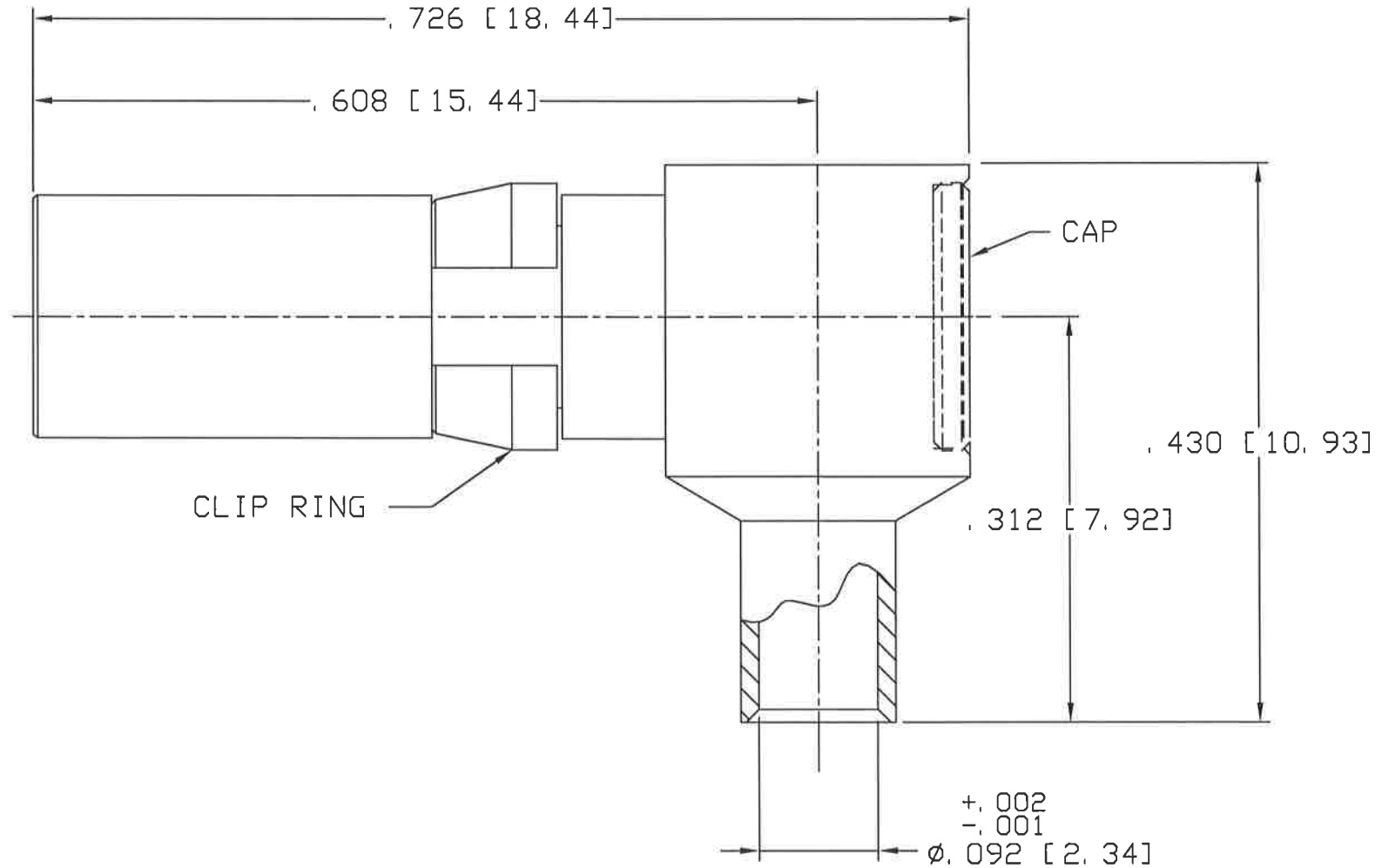


CAD DRAWING - NO MANUAL REVISIONS



NOTES:

1. DESIGN AND INTERFACE PER I. D. S. -26.
2. CAP SHIPPED LOOSE.
3. ACCOMMODATES RG-405/U S/R (M17/133) CABLE.

M	PER ECN 11159	10/20/11	JEM	PALCO CONNECTOR 22 GREAT HILL RD., NAUGATUCK, CT 06770 UNLESS OTHERWISE SPECIFIED, PALCO WORKMANSHIP STANDARDS APPLY TOLERANCES ON DECIMALS: XX ± .01, XXX ± .005 ANGLES ± 1/2° 32' DIMENSIONS IN INCHES OR (METRIC) DO NOT SCALE PRINTS	DRAWN MY	CHECKED HN	ENGINEER YT	APPROVED HN	FSCM 58167	
L	PER ECN 10285	04/14/10	JEM		DESCRIPTION PKZ, RA, RECEPTALCE DIRECT SOLDER, Ø.086 S/R	DATE 10/20/89	DRAWING NO. 26-1520-0860	PLATING OPT. A, B, C, D		
K	PER ECN 9410	05/28/08	JEM							
J	PER ECN 6756	02/20/03	HN							
H	PER ECN 5128	07/02/99	HN							
REV.	DESCRIPTION	DATE	APPR.	CATALOG ITEM						

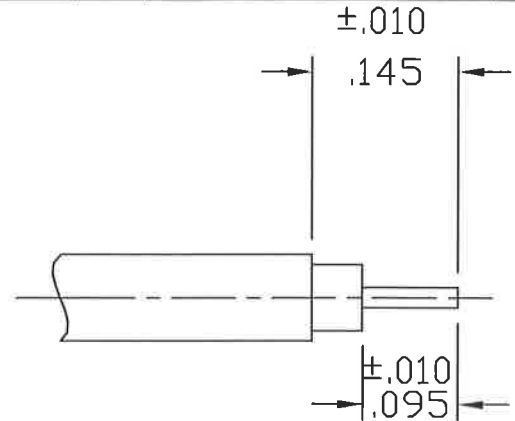
CABLE ASSEMBLY PROCEDURE	
P/N	26-1520-0860
PAGE 1 OF 2	DATE: 06/14/99
DRAWN: MY	APPROVED: HN
FOR USE RG-405/U S/R CABLE	

PALEO
CONNECTOR

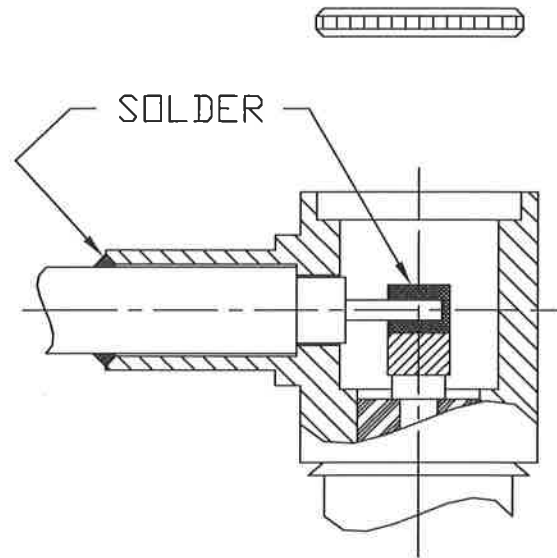
22 GREAT HILL ROAD, NAUGATUCK, CT. 06770
PHONE: (203) 729-9090 FAX: (203) 723-1794

REV	DESCRIPTION	DATE	APPR
J	PER ECN 6756	02/20/03	HN
K	PER ECN 9410	05/28/08	HN
L	PER ECN 10285	04/14/10	JEM
M	PER ECN 11159	10/20/11	JEM

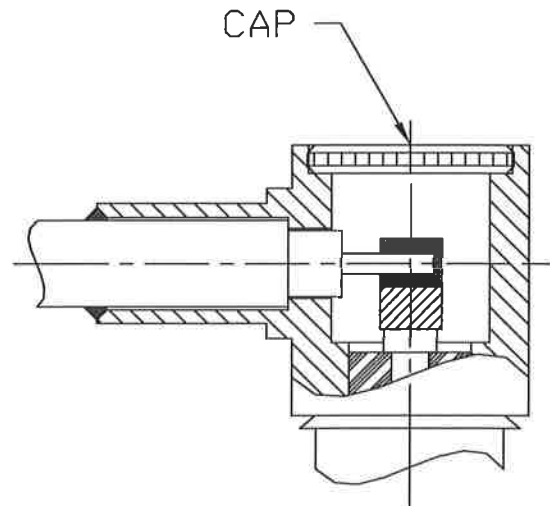
STEP 1
TRIM CABLE TO DIMENSIONS SHOWN.
TIN CENTER CONDUCTOR.



STEP 2
INSERT CABLE INTO BODY UNTIL
CABLE BOTTOMS IN BODY. SOLDER
CABLE JACKET INTO BODY, THEN
SOLDER CENTER CONDUCTOR TO
CENTER CONTACT OF CONNECTOR.



STEP 3
CLEAN AND INSPECT THE SOLDER
JOINTS. FIXTURE BODY INTO A
SMALL ARBOR PRESS, BEING CAREFUL
NOT TO DAMAGE CONNECTOR AND
PRESS CAP INTO BODY.

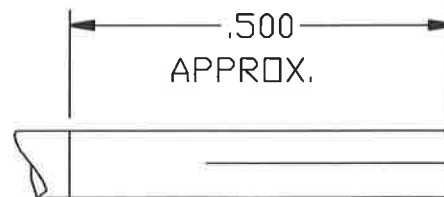


CABLE ASSEMBLY PROCEDURE		 22 GREAT HILL ROAD, NAUGATUCK, CT. 06770 PHONE: (203) 729-9090 FAX: (203) 723-1794	REV	DESCRIPTION	DATE	APPR
P/N	26-1520-0860		K	PER ECN 9410	06/02/08	JEM
PAGE 2 OF 2	DATE: 05/25/06		L	PER ECN 10285	04/14/10	JEM
DRAWN: MY	APPROVED: JEM		M	PER ECN 11159	10/20/11	JEM
FOR TFLEX-405 CABLE						

FOR USE WITH T-FLEX 405 CABLE

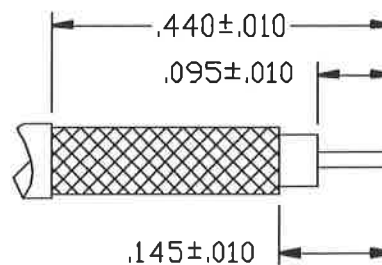
STEP 1

DIP END OF CABLE INTO FLUX AND THEN TIN DIP CABLE TO DIMENTION SHOWN USING KESTER 60/40 SOLDER @ 500° F FOR SIX SECONDS MAX.



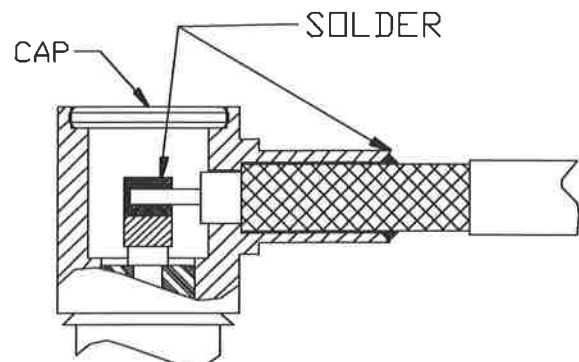
STEP 2

TRIM CABLE TO DIMENSIONS SHOWN.



STEP 3

INSERT CABLE INTO BODY UNTIL CALBE BOTTOMS IN BODY. SOLDER CABLE JACKET INTO BODY, THEN SOLDER CENTER CONDUCTOR TO CENTER CONTACT OF CONNECTOR. CLEAN AND INSPECT THE SOLDER JOINTS. FIXTURE BODY INTO A SMALL ARBOR PRESS, BEING CAREFUL NOT TO DAMAGE CONNECTOR AND PRESS CAP INTO BODY.



INTERFACE DESIGN STANDARD		PALEO CONNECTOR	REV	DESCRIPTION	DATE	APPR
IDS-26			D	PER ECN 6752	10/24/02	HN
PAGE 1 OF 2	DATE: 02/28/94	22 GREAT HILL ROAD, NAUGATUCK, CT. 06770 PHONE: (203) 729-9090 FAX: (203) 723-1794	E	PER ECN 7265	01/27/04	HN
DRAWN: JEM	APPROVED: HN		F	PER ECN 9935	05/22/09	JEM
			G	PER ECN 10145	01/20/10	JEM

DESCRIPTION: 26 SERIES, SIZE 8 PkZ®

MECHANICAL

MATERIALS

BODIES:

PLUG BODIES - BRASS PER ASTM B 16.
RECEPTACLE BODIES - BRASS PER ASTM B 16.

PLATING:

GOLD PER MIL-G-45204.
COPPER PER MIL-C-14550.
NICKEL PER QQ-N-290.

INSULATORS - VIRGIN TEFLON (PTFE) PER ASTM D 1710 AND ASTM D 1457.
RETAINING RING - BERYLLIUM COPPER PER ASTM B 196.
MALE CONTACT - BERYLLIUM COPPER PER ASTM B 197.
FEMALE CONTACTS - BERYLLIUM COPPER PER ASTM B 197.
WEATHER SEAL GASKET (OPTIONAL) - SILICONE RUBBER PER ZZ-R-765.
EMI GASKET - BERYLLIUM COPPER ASTM B 196.

FINISHES (ADD LETTER TO END OF PART NUMBER)

"A" - .000050 MIN. GOLD OVER NICKEL
"B" - .000030 MIN. GOLD OVER NICKEL
"C" - .000050 MIN. GOLD OVER COPPER
"D" - .000030 MIN. GOLD OVER COPPER

MATING CHARACTERISTICS

OUTER BODIES _____ 3 LBS MAX. INSERTION.
2 OZ. MIN. WITHDRAWAL.
CENTER CONTACTS _____ 32 OZ. MAX. INSERTION.
.5 OZ. MIN. WITHDRAWAL.
HOUSING RETENTION _____ 12 LBS. MIN.
AXIAL MATING TOLERANCE _____ .090

ELECTRICALS

FREQUENCY RANGE: DC TO 32 GHz.
VOLTAGE RATING STRAIGHT: 1000 VRMS.
VOLTAGE RATING ANGLED: 800 VRMS.
CURRENT RATING: 5 AMPS.
INSULATION RESISTANCE: 2000 MEGOHMS MIN.
INSERTION LOSS: .06 $\sqrt{f(\text{GHz})}$ dB

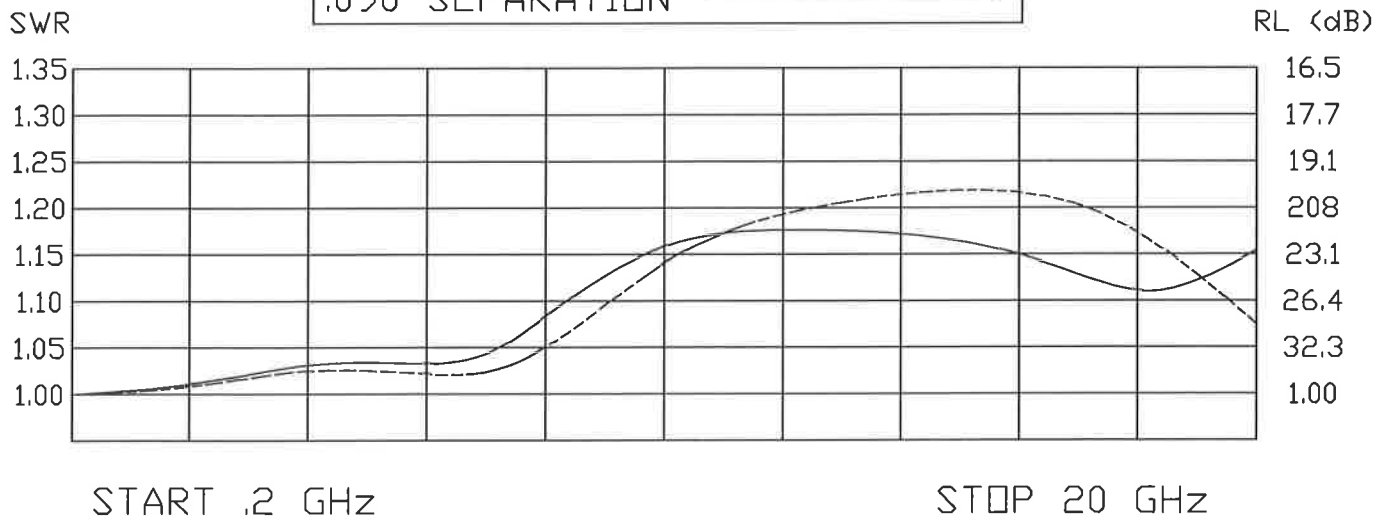
CONTACT RESISTANCE: CENTER CONTACT 5 MILLIOHMS
CONTACT RESISTANCE: OUTER CONTACT 3 MILLIOHMS
VSWR: 1.08 + .009(f) GHz., RG-402 CABLE.
1.15 + .02 (f) GHz., RG-174 & RG-316 CABLES.
1.15 + .01 (f) GHz., RG-142, 223, 303 & 400 CABLES.

ENVIRONMENTAL

OPERATING TEMPERATURE: -65°C to +165°C
VIBRATION: MIL-STD-202, METHOD 204, TEST CONDITION D.
SHOCK: MIL-STD-202, METHOD 213, TEST CONDITION I.
SALT SPRAY: MIL-STD-1344, METHOD 1001, CONDITION B.
DURABILITY: 500 CYCLES.

THERMAL SHOCK: MIL-STD-202, METHOD 107, TEST CONDITION B, EXCEPT HIGH TEMPERATURE SHALL BE +85°C.
MOISTURE RESISTANCE: MIL-STD-202, METHOD 106.
NO MEASUREMENT AT HIGH HUMIDITY. INSULATION RESISTANCE 2000 MEGOHMS AFTER HUMIDITY.

FULL MATING _____
.090 SEPARATION _____



INTERFACE DESIGN STANDARD	
IDS-26	
PAGE 2 OF 2	DATE: 06/28/94
DRAWN: JEM	APPROVED: HN

PALEO
CONNECTOR

22 GREAT HILL ROAD, NAUGATUCK, CT. 06770
PHONE: (203) 729-9090 FAX: (203) 723-1794

REV	DESCRIPTION	DATE	APPR
D	PER ECN 6752	10/24/02	HN
E	PER ECN 7625	01/27/04	HN
F	PER ECN 9935	05/22/09	JEM
G	PER ECN 10145	01/20/10	JEM

DESCRIPTION: 26 SERIES, PKZ[®] SIZE 8

	INCH	[mm]	SUFFIX
A	.250	[6.35]	MIN.
B	ϕ $\frac{.153}{.156}$	$\frac{[3.89]}{[3.96]}$	
C	$\frac{.126}{.132}$	$\frac{[3.20]}{[3.35]}$	MIN.
D	ϕ .206	[5.23]	

PLUG

	INCH	[mm]	SUFFIX
A	.245	[6.22]	MIN.
B	$\frac{.143}{.147}$	$\frac{[3.63]}{[3.73]}$	
C	ϕ .206	[5.23]	
D	ϕ $\frac{.0395}{.0410}$	$\frac{[1.00]}{[1.04]}$	
E	ϕ .157	[3.99]	MIN.

RECEPTACLE

CONTACT FLUSH TO
.006 BELOW BODY