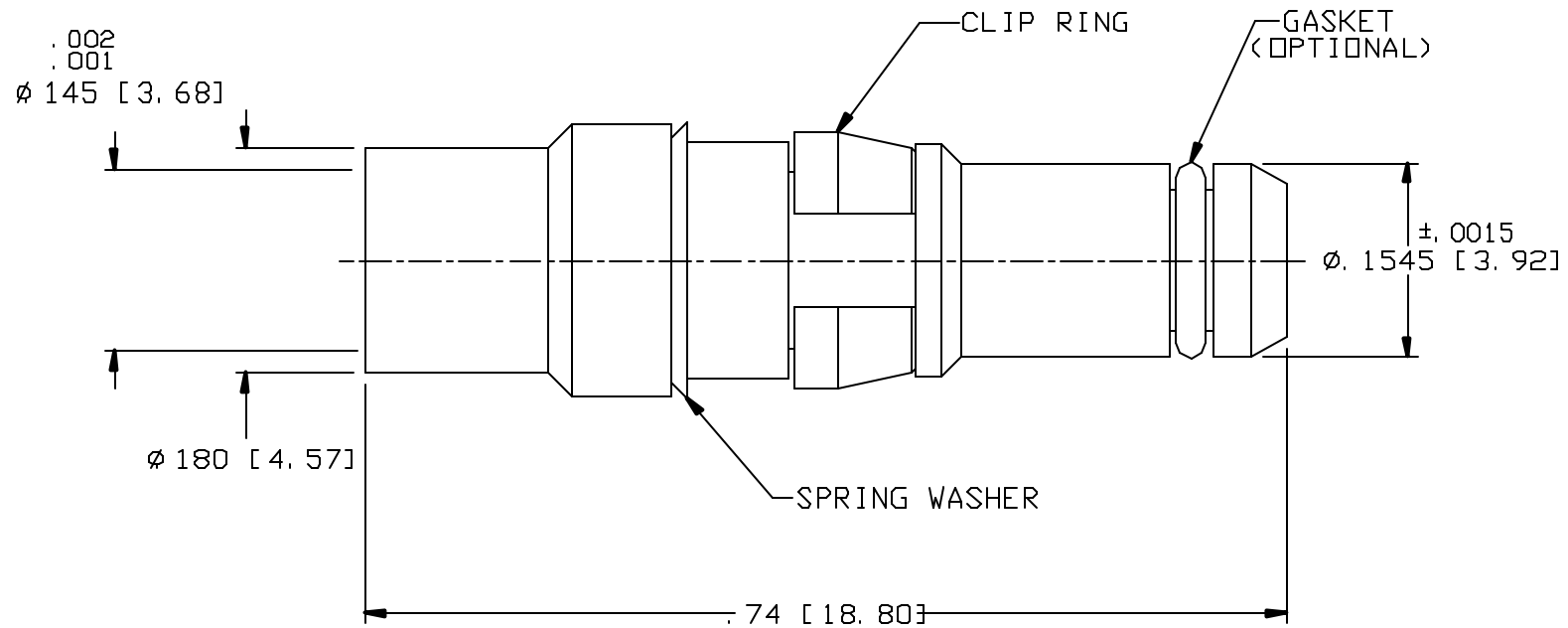


CAD DRAWING - NO MANUAL REVISIONS



NOTES:

1. DESIGN AND INTERFACE PER I. D. S. -26.
2. ACCOMMODATES RG402-M17/130 (.141 S. R.) CABLE.

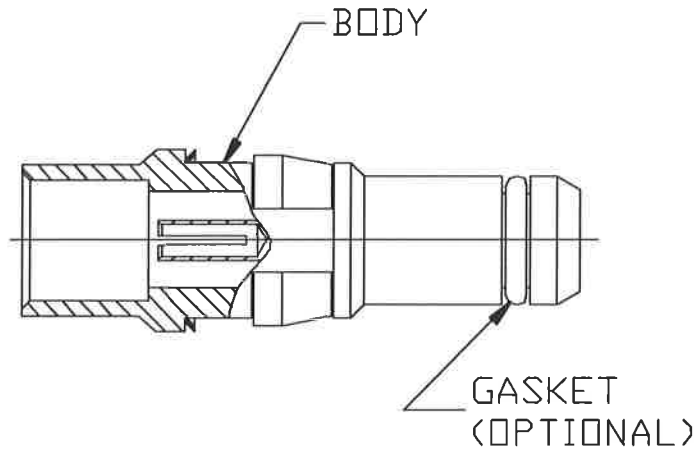
| | |
|--------------|----------------|
| 26-0020-1410 | WITHOUT GASKET |
| 26-0021-1410 | WITH GASKET |

| | | | | | | | | | |
|------|---------------|----------|-------|---|-------------|---|-----------------------------|----------------------------|---------------|
| R | PER ECN 10222 | 03/08/10 | 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 MS | APPROVED HN | FSCM 58167 |
| P | PER ECN 8491 | 04/25/06 | JEM | | | DESCRIPTION PKZ PLUG , FOR USE RG-402 (DIRECT SOLDER) | | | |
| N | PER ECN 7978 | 05/13/05 | JEM | | | DATE 03/07/91 | DRAWING NO. 26-002X-1410 | PLATING OPT. A, B, C, D | |
| M | PER ECN 7223 | 12/16/03 | HN | | | | | | |
| L | PER ECN 4547 | 06/12/98 | HN | | | | | | |
| REV. | DESCRIPTION | DATE | APPR. | CATALOG ITEM | | | | | |

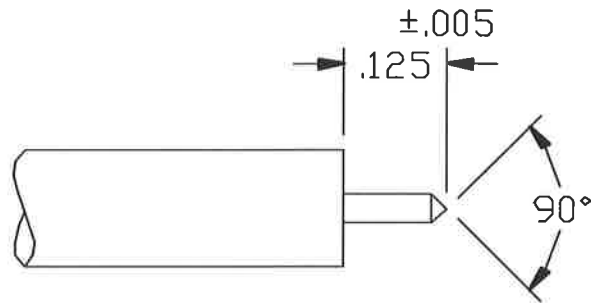
THE INFORMATION IN THIS DOCUMENT IS CONFIDENTIAL AND PROPRIETARY AND MAY NOT BE USED FOR ANY PURPOSE WITHOUT THE WRITTEN CONSENT OF PALCO.

| | | | | | | |
|-------------------------------|----------------|---|-----|---------------|----------|------|
| CABLE ASSEMBLY PROCEDURE | | PALEO CONNECTOR 22 GREAT HILL ROAD, NAUGATUCK, CT. 06770 PHONE: (203) 729-9090 FAX: (203) 723-1794 | REV | DESCRIPTION | DATE | APPR |
| P/N | 26-002X-1410 | | M | PER ECN 7223 | 12/16/03 | HN |
| PAGE 1 OF 2 | DATE: 02/29/00 | | N | PER ECN 7978 | 05/13/05 | JEM |
| DRAWN: JSV | APPROVED: HN | | P | PER ECN 8491 | 04/25/06 | JEM |
| FOR USE WITH RG-402 S/R CABLE | | | R | PER ECN 10222 | 03/08/10 | JEM |

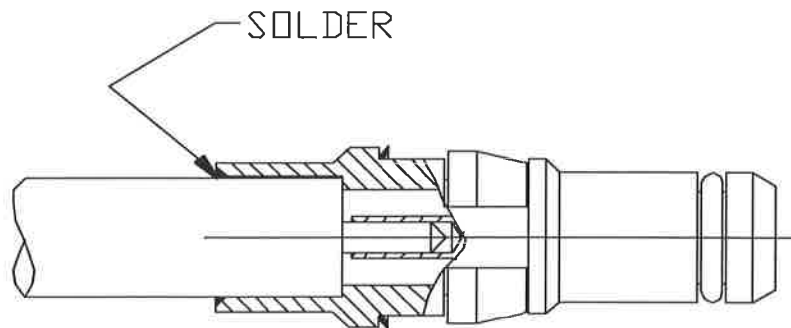
FOR USE WITH RG-402 S/R CABLE



STEP 1
 TRIM CABLE TO DIMENSIONS SHOWN, POINT CENTER CONDUCTOR.



STEP 2
 SLIDE CABLE INTO BACK OF BODY UNTIL CABLE BOTTOMS. SOLDER CABLE TO BODY AND CLEAN SOLDER JOINT.



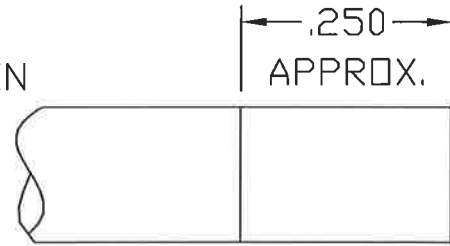
| | | | | | | |
|--------------------------|----------------|---|-----|---------------|----------|------|
| CABLE ASSEMBLY PROCEDURE | | PALEO CONNECTOR 22 GREAT HILL ROAD, NAUGATUCK, CT. 06770 PHONE: (203) 729-9090 FAX: (203) 723-1794 | REV | DESCRIPTION | DATE | APPR |
| P/N | 26-002X-1410 | | M | PER ECN 7223 | 12/16/03 | HN |
| PAGE 2 OF 2 | DATE: 02/29/00 | | N | PER ECN 7978 | 05/13/05 | JEM |
| DRAWN: JSV | APPROVED: HN | | P | PER ECN 8491 | 04/25/06 | JEM |
| FOR USE WITH T-FLEX 402 | | | R | PER ECN 10222 | 03/08/10 | JEM |

FOR USE WITH T-FLEX 402 CABLE

USE SHRINK TUBING.

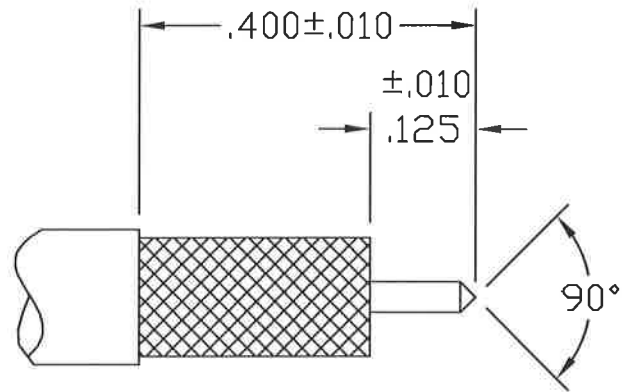
STEP 1

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



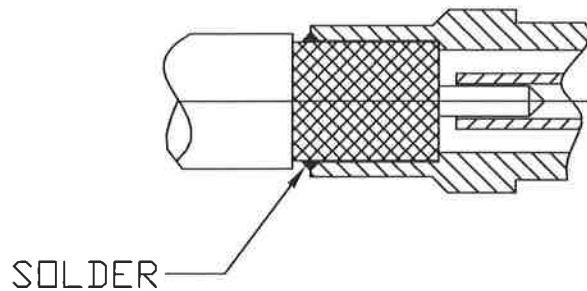
STEP 2

TRIM CABLE TO DIMENSIONS SHOWN POINT CENTER CONDUCTOR



STEP 3

SLIDE CABLE INTO BODY UNTIL CABLE BOTTOMS AND SOLDER. CLEAN SOLDER JOINT.



| | | | | | | |
|---------------------------|----------------|---|-----|---------------|----------|------|
| 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 | | E | PER ECN 7265 | 01/27/04 | HN |
| DRAWN: JEM | APPROVED: HN | 22 GREAT HILL ROAD, NAUGATUCK, CT. 06770 PHONE: (203) 729-9090 FAX: (203) 723-1794 | 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

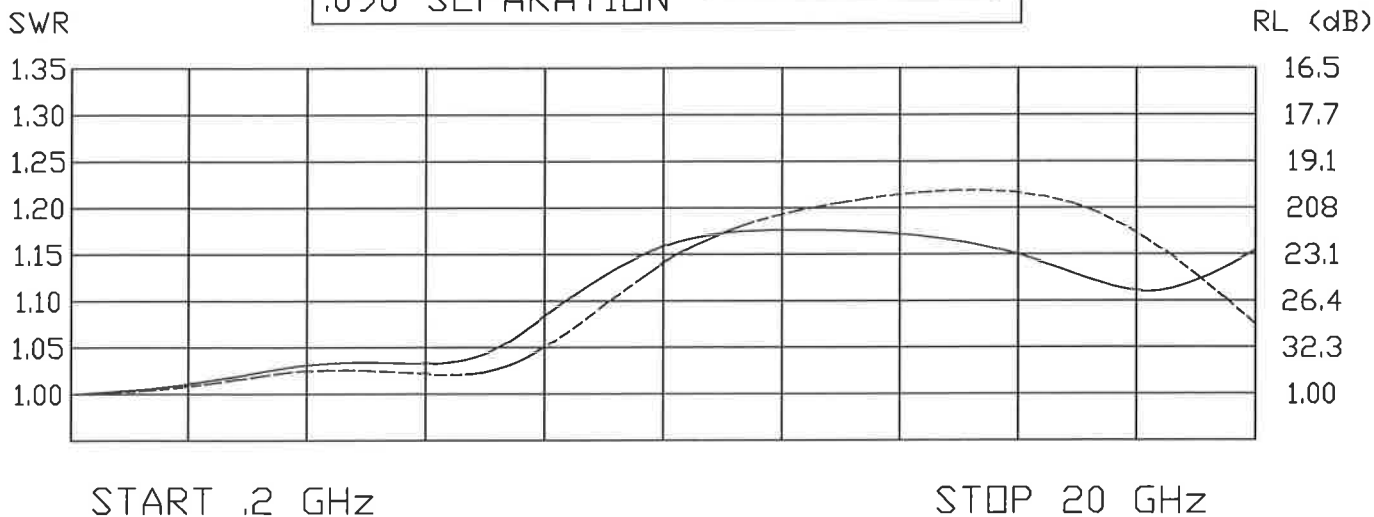
CONTACT RESISTANCE: CENTER CONTACT 5 MILLIOHMS
CONTACT RESISTANCE: OUTER CONTACT 3 MILLIOHMS
VSWR: 1.08 + .009(f) GHz., RG-402 CABLE.
1.15 + .02 (f) GHz., RG-174 & RG-316 CABLES.
1.15 + .01 (f) GHz., RG-142, 223, 303 & 400 CABLES.

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