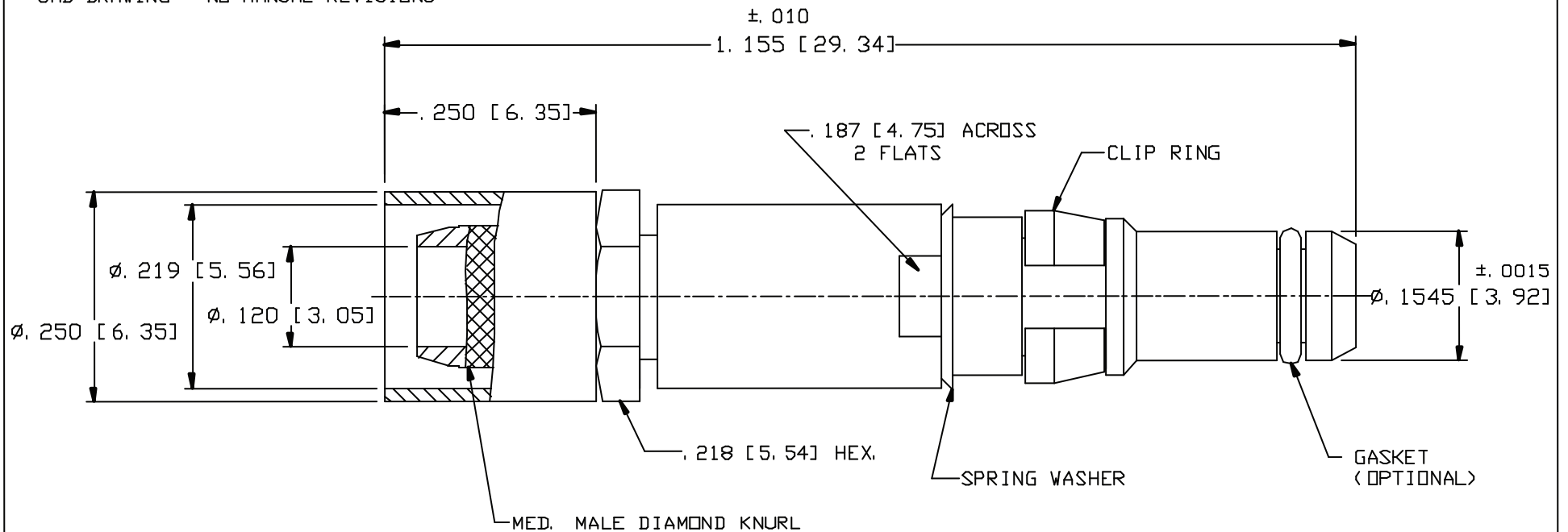


CAD DRAWING - NO MANUAL REVISIONS



Notes:

26-0080-1201A

- 1) Design and Interface per IDS 26.
- 2) Blindmate RF/Microwave Contact for Standard Density Multiport RF D-Subminiature Connectors.
- 3) Size 8 PkZ®, 50 Ohm, 32 GHz Straight Plug, Without Gasket.
- 4) Crimp/Clamp to RG-55, RG-142, and RG-223 Cables.
- 5) Crimp Using .213 Hex Die (M22520/5-05).
- 6) Ferrule and Crimp Nut Supplied Loose.
- 7) .000050" Min. Gold Over Nickel.

M	PER ECN 10290	04/20/10	JEM	<b>PALCO CONNECTOR</b> 22 GREAT HILL RD., NAUGATUCK, CT 06770 UNLESS OTHERWISE SPECIFIED, PALCO WORKMANSHIP STANDARDS APPLY TOLERANCES IN: DECIMALS: XX ±.01 .XXX ±.005 ANGLES ±1/2° 32' DIMENSIONS IN INCHES OR (METRIC) DO NOT SCALE PRINTS	DRAWN	CHECKED	ENGINEER	APPROVED	FSCM
L	PER ECN 10117	12/09/09	JEM		YS	HN	YT	HN	58167
K	PER ECN 7451	05/28/04	JEM		DESCRIPTION PKZ PLUG CRIMP/CLAMP				
J	PER ECN 6757	03/01/03	HN			DATE	DRAWING NO.	PLATING OPT.	
I	PER ECN 4063	09/18/97	HN		11/28/88	26-0080-1201	A, B		
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.

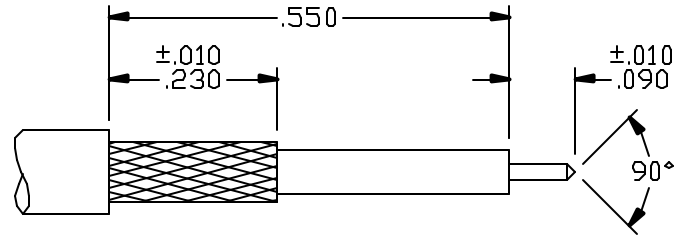
CABLE ASSEMBLY PROCEDURE	
P/N	26-008X-1201
PAGE 1 OF 1	DATE: 06/24/03
DRAWN: MY	APPROVED: HN
FOR USE WITH RG-55, 142 CABLES	

**PALEO**  
**CONNECTOR**

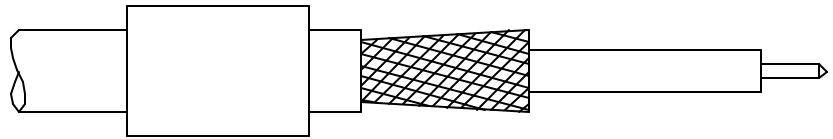
22 GREAT HILL ROAD, NAUGATUCK, CT. 06770  
PHONE: (203) 729-9090 FAX: (203) 723-1794

REV	DESCRIPTION	DATE	APPR
J	PER ECN 6757	06/24/03	HN
K	PER ECN 7451	05/28/04	JM
L	PER ECN 10117	12/09/09	JEM
M	PER ECN 10290	04/20/10	JEM

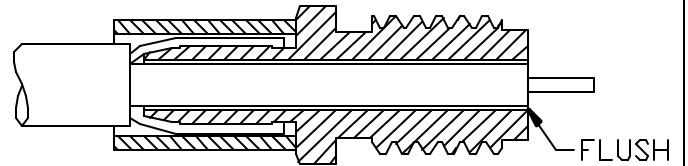
**STEP 1**  
TRIM CABLE TO DIMENSIONS SHOWN.  
POINT CENTER CONDUCTOR.



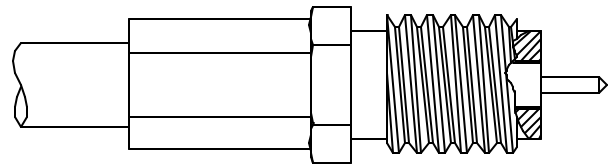
**STEP 2**  
SLIDE FERRULE OVER CABLE  
AND FLAIR BRAID BY ROTATING  
DIELECTRIC.



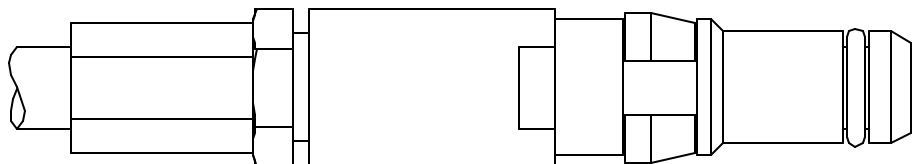
**STEP 3**  
INSERT THE BARREL OF THE CRIMP NUT BETWEEN  
THE BRAID AND DIELECTRIC, POSITIONED SO THAT  
THE END OF THE CABLE DIELECTRIC IS FLUSH  
WITH THE END OF THE CRIMP NUT.



**STEP 4**  
SLIDE THE FERRULE AGAINST THE SHOULDER  
OF THE CRIMP NUT AND CRIMP USING .213 HEX  
DIE (M22520/5-05).



**STEP 5**  
THREAD CONNECTOR BODY ONTO  
THE CRIMP NUT ASSEMBLY,  
TIGHTEN TO 7-10 IN-LBS.



INTERFACE DESIGN STANDARD	
IDS-26	
PAGE 1 OF 1	DATE: 02/28/94
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 7265	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 MICROWAVE CONTACTS FOR STANDARD DENSITY MULTIPORT RF D-SUB CONNECTORS**

**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.

