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|     |  |                       |      |            |                |
|-----|--|-----------------------|------|------------|----------------|
| REV |  | DESCRIPTION           | DOWN | APPROVED   | DATE           |
| W   |  | REVISED PER ECO 16419 | L.M. | <i>mmc</i> | <i>8/27/80</i> |

3-0043 SH 1

| DASH NO | CABLES ACCOMMODATED   | A DIM | B DIM | C HEX | D FLATS | E DIA | F DIA MAX | CABLE ENTRY DIA | ASSEMBLE PER |
|---------|---|-------|-------|-------|---------|-------|-----------|-----------------|--------------|
| -7      | TRC-50-2<br>TRC-75-2  | 1.314 | .096  | .438  | .500    | .500  | .593      | .274            | TAI-189      |
| -8      | 8227 BELDEN   | 1.648 | .130  | .625  | .688    | .750  | .775      | .345            | TAI-103      |
| -9      | TWC-78-2<br>TWC-124-2   | 1.314 | .096  | .438  | .500    | .500  | .593      | .285            | TAI-102      |
| -10     | RG-22<br>754E W.E.CO.   |       |       |       |         |       |           | .455            |              |
| -11     | 760A W.E.CO.  | 1.648 | .130  | .625  | .688    | .750  | .775      | .347            | TAI-103      |
| -12     | 16 PEVL W.E.CO.<br>V1-AL GENERAL                              |       |       |       |         |       |           | .495            | TAI-128      |
| -13     | TRF-59 TIMES  |       |       |       |         |       |           | .362            | TAI-129      |
| -13A    | B232 BELDEN   |       |       |       |         |       |           | .352            | TAI-165      |
| -14     | B233 BELDEN   |       |       |       |         |       |           | .490            | TAI-129      |
| -23     | 250-3884 MICRODDT   |       |       |       |         |       |           | .183            | TAI-189      |
| -24     | 202-3924 MICRODDT   |       |       |       |         |       |           | .191            | TAI-102      |
| -24A    | 9530A5117 RAYCHEM   |       |       |       |         |       |           | .200            | TAI-189      |
| -25     | T-43M GENERAL   |       |       |       |         |       |           | .285            | TAI-102      |
| -25A    | 5021HS331 RAYCHEM   |       |       |       |         |       |           |                 |              |
| -26     | 7028A551B RAYCHEM   |       |       |       |         |       |           | .191            | TAI-189      |
| -27     | T19TFSJ2619EM WOVEN<br>202-3927 MICRODDT<br>202-3942 MICRODDT |       |       |       |         |       |           | .145            |              |
| -29     | TWC-78-1/TWC-124-1A   | 1.314 | .096  | .438  | .500    | .500  | .593      | .191            | TAI-102      |
| -30     | 761A W.E.CO.<br>8441 BELDEN                                   |       |       |       |         |       |           | .235            |              |
| -32     | TRC-50-1  |       |       |       |         |       |           | .191            |              |
| -33     | TRC-75-1  |       |       |       |         |       |           | .217            |              |
| -42     | 21-204 ESSEX<br>4463 CONSOLIDATED                             |       |       |       |         |       |           | .300            | TAI-189      |
| -43     | 250-4044/250-4045<br>293-3930 MICRODDT                        |       |       |       |         |       |           | .200            |              |
| -45     | M27500-22TE2T14<br>1100-66F STANDARD                          |       |       |       |         |       |           | .183            | TAI-102      |
| -46     | 9860 BELDEN   | 1.648 | .130  | .625  | .688    | .750  | .775      | .475            | TAI-103      |
| -47     | M17/176-00002   | 1.314 | .096  | .438  | .500    | .500  | .593      | .184            | TAI-102      |
| -49     | TWAC-78-1F2   |       |       |       |         |       |           | .132            |              |
| -54     | 89207 BELDEN  | 1.648 | .130  | .625  | .688    | .750  | .775      | .323            | TAI-103      |
| -55     | 89272 BELDEN  |       |       |       |         |       |           | .250            | TAI-102      |
| -56     | GC875GC1, GRUMMAN   |       |       |       |         |       |           | .191            | TAI-189      |
| -57     | GC875GB1, GRUMMAN   |       |       |       |         |       |           |                 |              |
| -58     | GC875TM24H, GRUMMAN   |       |       |       |         |       |           | .198            | TAI-102      |
| -59     | GC875LN1, GRUMMAN   | 1.314 | .096  | .438  | .500    | .500  | .593      |                 |              |
| -60     | M17/177 THERMATICS<br>380-10045 BOEING                        |       |       |       |         |       |           | .217            | TAI-189      |
| -64     | 7528A5314, RAYCHEM  |       |       |       |         |       |           | .183            |              |

| MILITARY PART NO (PIN) | MILITARY CABLE PART NO | TROMPETER P/N (REF ONLY) |
|------------------------|------------------------|--------------------------|
| M49142/06-0001         | M17/134-00001          | M3-0043-7                |
| M49142/06-0101         | M17/134-00001          | M3-0043Y-7               |
| M49142/06-0201         | M17/134-00001          | M3-0043S-7               |
| M49142/06-0002         | M17/134-00002          | M3-0043-7                |
| M49142/06-0102         | M17/134-00002          | M3-0043Y-7               |
| M49142/06-0202         | M17/134-00002          | M3-0043S-7               |
| M49142/06-0007         | M17/176-00002          | M3-0043-47               |
| M49142/06-0107         | M17/176-00002          | M3-0043Y-47              |
| M49142/06-0207         | M17/176-00002          | M3-0043S-47              |
| M49142/06-0008         | M17/176-00002          | M3-0043-9                |
| M49142/06-0108         | M17/176-00002          | M3-0043Y-9               |
| M49142/06-0208         | M17/176-00002          | M3-0043S-9               |
| M49142/06-0009         | M17/177-00002          | M3-0043-60               |
| M49142/06-0109         | M17/177-00002          | M3-0043Y-60              |
| M49142/06-0209         | M17/177-00002          | M3-0043S-60              |

| KEYING LETTER | G DEGREES | H DEGREES | J DEGREES | COLOR BAND |
|---------------|-----------|-----------|-----------|------------|
| NONE          | 120°      | 120°      | 120°      | NONE       |
| T             | 100°      | 150°      | 110°      | RED        |
| U             | 120°      | 130°      | 110°      | ORANGE     |
| V             | 115°      | 130°      | 115°      | YELLOW     |
| W             | 125°      | 110°      | 125°      | GREEN      |
| X             | 130°      | 100°      | 130°      | BLUE       |
| Y             | 110°      | 140°      | 110°      | VIOLET     |
| Z             | 100°      | 160°      | 100°      | GRAY       |
| S             | 135°      | 135°      | 90°       | WHITE      |

FIG 2  
- 9 SHOWN

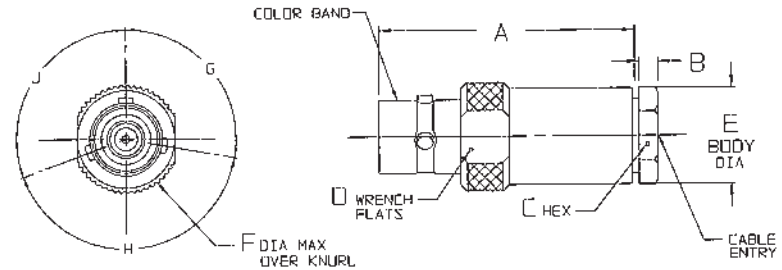
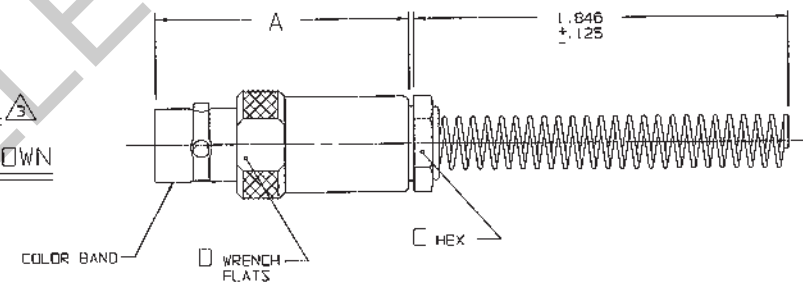
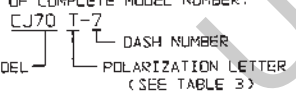


FIG 1  
- 9 SHOWN

**RED INDICATES ORIGINAL**

4. EXAMPLE OF COMPLETE MODEL NUMBER:



3. FOR BEND RELIEF SPRING (FIG 2) ADD SUFFIX "BR" TO MODEL NO (NOT AVAILABLE WITH CABLE GROUPS -8, -10, -11, -12, -13, -14, -46 AND -54)

2. CONCENTRIC TWINAX/TRIAX TR8 CABLE RECEPTACLE

1. FINISH: TFS-1A (NICKEL) 5

5. WHEN CONNECTOR IS SUPPLIED TO MILITARY PART NUMBER (SEE TABLE 2):

- a) ALL PARTS NORMALLY PLATED TFS-1A OR TFS-1U (NICKEL) ARE TO BE PLATED TFS-1M (SILVER)
- b) MARK PART WITH MILITARY PIN (SEE TABLE 2) (NICKEL) AND "14949"
- c) QUALITY CONFORMANCE INSPECTION SHALL BE PER MIL-C-49142 SECTION 4.5

| QTY      | DESCRIPTION          | PART NUMBER | ITEM |
|----------|----------------------|-------------|------|
|          | TUL UNLESS SPECIFIED |             |      |
| 305-0534 | .XX ± .005           |             |      |
| 305-0522 | .XXX ± .005          |             |      |
| 305-0521 | XXXXX ANGLES         |             |      |
| 305-0458 | CHK                  | 14949       |      |
| 305-0419 | ENGR                 |             |      |
|          | APPR                 |             |      |

|           |      |         |           |              |             |     |
|-----------|------|---------|-----------|--------------|-------------|-----|
| DOWN      | L.M. | 7-25-07 | MATERIAL  | CODE IDENT   | DRAWING NO. | REV |
|           |      |         |           | 14949        | 3-0043      | W   |
| NEXT ASSY |      |         | SCALE 2/1 | DATE 9/17/80 | SHEET 1C    |     |



CJ70/T/U/V/W/  
X/Y/Z/S/BR