



NOTES:

1. LEAK TEST: 80 PSI, NO BUBBLES 2 MINUTES MINIMUM. A GREEN PAINT DOT INDICATES PART HAS PASSED THE TEST.
2. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE & SHIELD.
3. OPTICAL CONTINUITY CHECK ON FIBER USING RED LASER. MINIMUM OF 2 GOOD FIBERS.
4. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
5. ALL PARTS MUST PASS ALL TESTS.
6. WIRE POSITIONING IS APPROXIMATE & VARIABLE.
7. NO VOIDS ARE ACCEPTABLE ON O-RING SEALING SURFACES, VOIDS SMALLER THAN  $\phi 0.035$  [.89] ARE ACCEPTABLE ON ALL OTHER SURFACES.
8. DIMENSION IS OVER-ALL-LENGTH EXCLUDING OVERFILL ON ATMOSPHERE SIDE OF HOUSING.
9. REF-OPERATING TEMPERATURE -20°C TO 60°C.
10. REF-PARTS ARE DEFLASHED ON PARTING LINE +0.005 MAXIMUM.
11. PAVE-SEAL CAN BE A BI-DIRECTIONAL HERMETIC SEAL FOR VACUUM AND MOST PRESSURES. FOR PRESSURES ABOVE 150 PSI (10 BAR), CHECK WITH SALES ENGINEERING.
12. ITEM 9 IS TWISTED WITH ITEM 10 & ITEM 11 IS TWISTED WITH ITEM 12 APPROXIMATELY 2 TWISTS PER INCH.

|      |     |                 |  |
|------|-----|-----------------|--|
| 21   | A/R | PARKER O-LUBE   | LUBRICANT O-RING BARIUM-BASED              |
| 20   | 2   | -020 VITON      | O-RING -020 VITON 75                       |
| 19   | 2   | TUBULAR BRD 1/8 | TUBULAR BRAID 1/8" ALPHA 2166              |
| 18   | 1   | BARE COPPER #22 | WIRE 22 COPPER SOLID                       |
| 17   | 1   | E26 BROWN 7 STR | WIRE 26E MIL-W-16878/4 7/#34               |
| 16   | 1   | E26 GRAY        | WIRE 26E MIL-W-16878/4 7 STRAND            |
| 15   | 1   | E26 ORANGE      | WIRE 26E MIL-W-16878/4 7/#34               |
| 14   | 1   | E26 PURPLE      | WIRE 26E MIL-W-16878/4 7/#34               |
| 13   | 1   | E26 YELLOW      | WIRE 26E MIL-W-16878/4 7/#34               |
| 12   | 1   | E26 BLUE        | WIRE 26E MIL-W-16878/4 7/#34               |
| 11   | 1   | E26 BLACK 7STRD | WIRE 26E MIL-W-16878/4 7/#34               |
| 10   | 1   | E26 RED         | WIRE 26E MIL-W-16878/4 7/#34               |
| 9    | 1   | E26 WHITE       | WIRE 26E MIL-W-16878/4 7/#34               |
| 8    | 4   | PM1550-XP       | FIBER OPTIC SINGLE MODE PM                 |
| 7    | 8   | F00FR900HY      | TUBING TLC FURCATION HYTREL YELLOW         |
| 6    | 1   | E22 YELLOW      | WIRE 22E MIL-W-16878/4 .010 7/#30          |
| 5    | 1   | E22 WHT         | WIRE 22E MIL-W-16878/4 .010 7/#30          |
| 4    | 1   | E22 GREEN       | WIRE 26E MIL-W-16878/4 7/#34               |
| 3    | 1   | CAT6            | CABLE CAT6e 23 4PR RISER JACKET PVC/INS PO |
| 2    | A/R | PAVE-Seal 150   | EPOXY BLACK                                |
| 1    | 1   | 0913            | HOUSING SP16-E                             |
| ITEM | QTY | PART NUMBER     | DESCRIPTION                                |

RECOMMENDED HOUSING RETAINING RING  
TRUARC 5100-81 OR EQUAL,  
RED-.877 [22.28] DIMENSION FOR USE  
WITH HOUSING INSTALLED RETAINING RING

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DESCRIPTION  
SP16-E-150-1/3/9/4-CAT6/E22/E26/SMPM-18-18

PART NUMBER  
**4678**

MATERIAL NOTED

REVISION LEVEL  
A

PROJECTION  
☉

ALL DIMENSIONS AND TOLERANCES APPLY TO FINISHED PART IN INCHES.  
ALLOWABLE TOLERANCES UNLESS SPECIFIED OTHERWISE: NONE  $\pm 0.5$   
X.X DECIMAL  $\pm 0.1$  X.XX DECIMAL  $\pm 0.02$  X.XXX DECIMAL  $\pm 0.005$   
ANGLES  $\pm 1$  DEGREE SURFACE FINISH 128 microinch RMS