



**NOTES:**

1. LEAK TEST: 300 PSI, NO BUBBLES 10 MINUTES MINIMUM. PARTS ARE TESTED WITH THE PRESSURE ON THE ATMOSPHERE SIDE.
2. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE & SHIELDS.
3. CONTINUITY TEST ALL SHIELDS < 0.5 OHM END TO END.
4. OPTICAL CONTINUITY CHECK WITH RED LASER.
5. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
6. ALL PARTS MUST PASS ALL TESTS.
7. WIRE POSITIONING IS APPROXIMATE & VARIABLE.
8. NO COSMETIC SURFACE VOIDS ARE ACCEPTABLE ON O-RING SEALING SURFACES, COSMETIC SURFACE VOIDS SMALLER THAN  $\varnothing 0.035$  [0.89] ARE ACCEPTABLE ON ALL OTHER SURFACES.
9. DIMENSION IS OVER-ALL-LENGTH EXCLUDING OVERFILL ON PRESSURE SIDE OF HOUSING.
10. REF-OPERATING TEMPERATURE -20 °C TO 85 °C.
11. REF-PARTS ARE DEFLASHED ON PARTING LINE +0.005 [0.13] MAXIMUM.
12. DIMENSIONS ARE INCHES [millimeters].
13. 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.

| 10   | A/R | PARKER O-LUBE  | LUBRICANT O-RING BARIUM-BASED   |
|------|-----|----------------|---|
| 9    | 2   | -020 VITON     | O-RING -020 VITON 75  |
| 8    | 1   | 932-DPXCLIP-SM | CLIP CONNECTOR DUPLEX LC  |
| 7    | 2   | 931-153-1B1    | CONNECTOR LC/UPC 9/125 W/BOOT   |
| 6    | 2   | SMFHA PU       | CABLE FIBER OPTIC SINGLE MODE HERMETIC FIBER WITH ARAMID YARN AND PU JACKET |
| 5    | 8   | TSP #28 PU     | CABLE #28 TSP WHT/BLK SPC BRAID PU JACKET                                   |
| 4    | 1   | FEP #18 RED    | WIRE 18FEP TIN PLATED COPPER 19#30  |
| 3    | 1   | FEP #18 GREEN  | WIRE 18FEP TIN PLATED COPPER 19#30  |
| 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,  
REF-.877 [22.28] DIMENSION FOR USE  
WITH HOUSING INSTALLED RETAINING RING

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DESCRIPTION  
SP16-E-150-2/2/8-SMF28/FEP18/TSP28-881/461/101-18

PART NUMBER  
**4607**

MATERIAL NOTED

REVISION LEVEL  
C

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