**NOTES:**

1. **LEAK TEST:** "X" PRESSURE, NO BUBBLES "Y" SECONDS MINIMUM, SEE TABLE. A GREEN PAINT DOT INDICATES THE PART HAS PASSED THE TEST.
2. **HYPOT 630 VDC 500 MD MINIMUM 0.01 SEC MINIMUM WIRE TO WIRE.
3. **VALIDATION TESTING FOR 2491 ONLY:**
   A) 30 POUND FULL TEST ON CONDUCTORS OF WIRE (FORCE TO BE EQUALLY DISTRIBUTED AMONG THE WIRES, WITH THE HOUSING HELD STATIONARY).
   B) THERMAL CYCLE OT TO 200°F [~110°C TO 93°C], 3 CYCLES, 1 HOUR HOLD AT EACH TEMPERATURE EXTREME, THEN.
   C) SUBMERGE FOR A MINIMUM OF 3 HOURS "ATMOSPHERE" SIDE UNDER 10 FEET OF SALT WATER, 5-8% SALT SOLUTION, THEN.
   D) HYPOT 50 VDC 5 MD 0.01 SEC MINIMUM.
   [NOTE: VALIDATION TEST PIECE WILL HAVE AT LEAST 10 FEET OF WIRE ON THE ATMOSPHERE SIDE, NOT 20.98 INCHES.]

4. **ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.**
5. **ALL PARTS MUST PASS ALL TESTS.**
6. **WIRE COLOR POSITIONING IS VARIABLE.**
7. **WIRE ARE NOT REQUIRED TO BEND SHARPLY AT EPOXY SEAL SURFACE.**
8. **NO COSMIC SURFACE Voids ARE ACCEPTABLE ON O-RING SEALING SURFACES, COSMIC SURFACE Voids SMALLER THAN 0.035 [0.89] ARE ACCEPTABLE ON ALL OTHER SURFACES.**
9. **DIMENSION IS OVER-ALL LENGTH EXCLUDING OVERFILL ON ATMOSPHERE SIDE OF HOUSING.**
10. **REF-OPERATING TEMPERATURE -20°C TO 125°C.**
11. **REF-PARTS ARE DELTAIZED 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.**

**PAVE#** | "A" | "B" | DESCRIPTION | "X" | "Y"
---|---|---|---|---|---
2491 | 20.98±.25 | 533±.64 | SPF12-E=150-6-TTZ18-533-188mm | 80 PSI (5.5 BAR) | 90
2491-1 | 19.69 MIN | 500 MIN | SPF12-E=150-6-TTZ18-500-500mm | 15 BAR (217 PSi) | 30

**ITEM** | **QTY** | **PART#** | **DESCRIPTION**
---|---|---|---
11 | 1 | RR 5100-75-HST | RETAINING RING EXTERNAL .7505SS
10 | A/R | PAVE-Seal 150 | EPOXY BLACK
9 | 1 | TZZ18 ORG | WIRE 1BTZ XL-ETFE .015 WALL 7/#26
8 | 1 | TZZ18 BRN | WIRE 1BTZ XL-ETFE .015 WALL 7/#26
7 | 1 | TZZ18 PUR | WIRE 1BTZ XL-ETFE .015 WALL 7/#26
6 | 1 | TZZ18 BLU | WIRE 1BTZ XL-ETFE .015 WALL 7/#26
5 | 1 | T128 RED /16 | WIRE 18 TEFZEL MIL-W-22759/16-18 19/#30
4 | 1 | T128 BLK /16 | WIRE 18 TEFZEL MIL-W-22759/16-18 19/#30
3 | A/R | PARKER O-LUBE | LUBRICANT O-RING BARUM-BASED
2 | 1 | -016 VITON | O-RING -016 VITON 75
1 | 1 | 0130 | HOUSING SPF12-E

**DESCRIPTION**

PAVE-Seal Cable Harnesses
*SEE TABLE*