



**NOTES:**

1. HE LEAK TEST @ 1 ATM.  $1 \times 10^{-6}$  CC/SEC OR LESS. A GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES THE PART HAS PASSED THE TEST.
2. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE AND HOUSING WITH MATING CONNECTORS.
3. CONTINUITY TEST SHIELD <.5 OHM CONNECTOR TO CONNECTOR.
4. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
5. ALL PARTS MUST PASS ALL TESTS.
6. CABLE POSITIONING IS APPROXIMATE & VARIABLE.
7. COSMETIC SURFACE VOIDS NOT ON O-RING SEALING SURFACES ARE ACCEPTABLE BASED ON THE SEAL'S DIAMETER:  
 <= .5 [12.7] SEAL DIAMETER:  $\phi$ .035 [.89] MAX ALLOWED VOID SIZE  
 > .5 [12.7] SEAL DIAMETER:  $\phi$ .060 [1.5] MAX ALLOWED VOID SIZE
8. DIMENSIONS ARE INCHES [millimeters].
9. REF-OPERATING TEMPERATURE RANGE -20°C TO 125°C.
10. RJ45 PLUG CONNECTORS FROM ITEM 3 ARE RATED TO 85°C.
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. ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM HELIUM LEAK TESTING.

ITEM	QTY	PART NUMBER	DESCRIPTION
3	1	5546	CABLE ASSEMBLY SHIELDED CAT 5e/CAT 6 FEP JACKET/INSULATION TERMINATED WITH SHIELDED CAT 5e/CAT 6 RJ45 PLUGS
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	1	3261-1	HOUSING VACUUM FLANGE NW25-SS

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DESCRIPTION  
 NW25-SS-150-1-CAT5e/CAT6-39T-39T

PART NUMBER  
**4528**

MATERIAL NOTED

REVISION LEVEL  
 A

PROJECTION

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