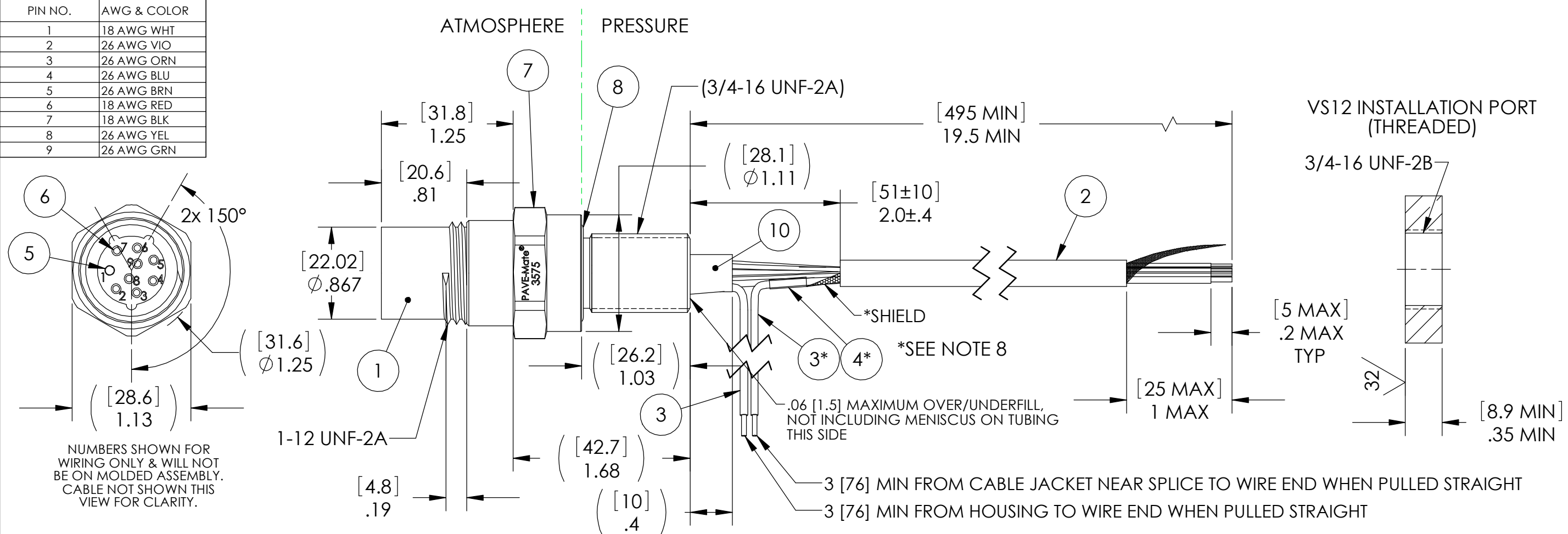


WIRING DIAGRAM	
PIN NO.	AWG & COLOR
1	18 AWG WHT
2	26 AWG VIO
3	26 AWG ORN
4	26 AWG BLU
5	26 AWG BRN
6	18 AWG RED
7	18 AWG BLK
8	26 AWG YEL
9	26 AWG GRN



**NOTES:**

- LEAK TEST: 80 PSI, NO BUBBLES 2 MINUTES MINIMUM. A GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES THE PART HAS PASSED THE TEST.
- HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE AND HOUSING.
- CONTINUITY TEST <0.5 OHM MATING CONNECTOR TO WIRE ENDS AND LAP SOLDERED 18AWG WHITE WIRE TO SHEILD AND CABLE 18AWG WHITE WIRE.
- ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
- ALL PARTS MUST PASS ALL TESTS.
- 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
- REF-OPERATING TEMPERATURE RANGE -40°C TO 105°C.
- ITEM 3 (PC18 WHITE), CABLE SHIELD, AND 18AWG WHITE WIRE FROM CABLE LAP SOLDERED UNDER ITEM 4 (SHRINK TUBING).
- ITEM 9 (NOT SHOWN) IS A PLASTIC DUST CAP SHIPPED INSTALLED ON ASSEMBLY.
- 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	1	TFT-200-1	TUBING TEFLON .294 ID THIN WALL
9	1	EC-14	CAPLUG MS90376-14R OR EQUAL
8	1	-116 VITON LT	O-RING -116 VITON 75
7	1	3808	HOUSING VS12XL-AL
6	8	201570	CONTACT .062" X .472 PIN
5	1	5231-0-00	CONTACT .093" X .505 PIN
4	1	FIT-221-1/8	TUBING SHRINK 1/8" IRR POLY MIL-1-23053/5-104-0 BLACK
3	2	PC18 1569 WHT16	WIRE 18PC UL1569/1007 CSA TR64
2	1	CW5262	CABLE 3/6C #18/26 SHIELDED PVC
1	A/R	PAVE-Seal 150	EPOXY BLACK
ITEM	QTY	PART NUMBER	DESCRIPTION

**PAVE technology co.**  
 2751 Thunderhawk Court  
 Dayton, OH 45414-3445  
 U.S.A.  
 tel (937) 890-1100  
 fax (937) 8905165  
 www.pavetechnologyco.com

DESCRIPTION  
VS12XL-AL-150-3/6-PC18/26-RCPT-20

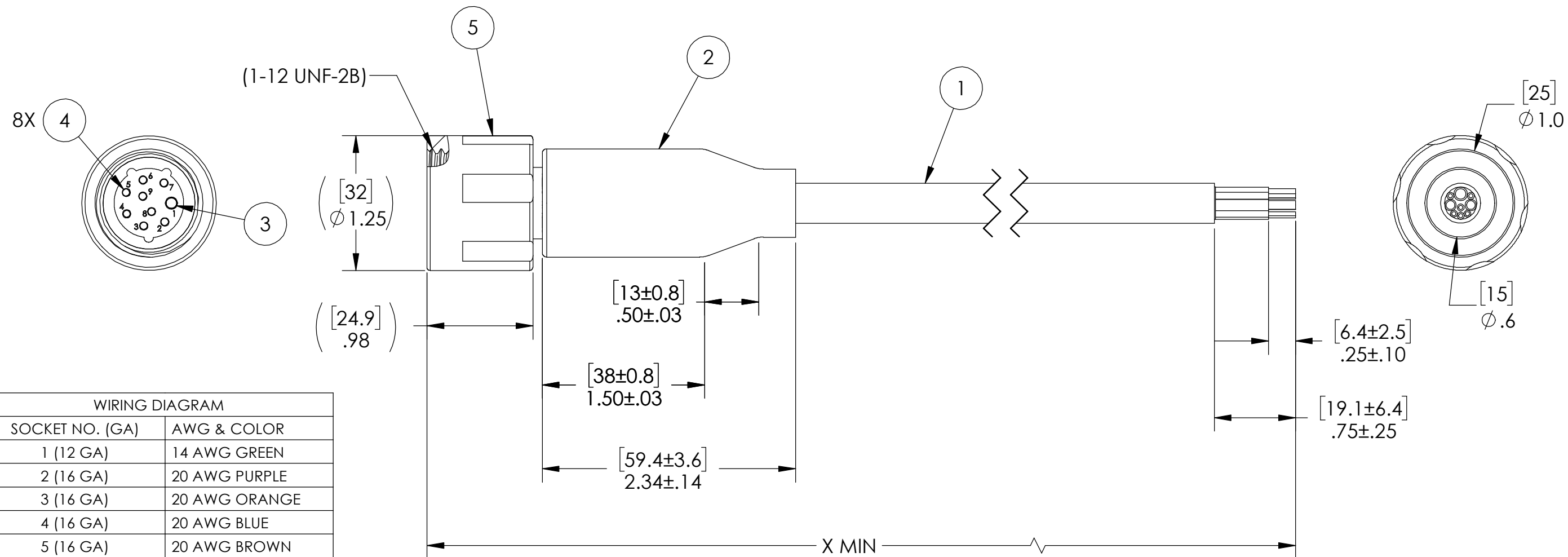
PART NUMBER  
**3575**

MATERIAL NOTED

REVISION LEVEL  
N

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



WIRING DIAGRAM	
SOCKET NO. (GA)	AWG & COLOR
1 (12 GA)	14 AWG GREEN
2 (16 GA)	20 AWG PURPLE
3 (16 GA)	20 AWG ORANGE
4 (16 GA)	20 AWG BLUE
5 (16 GA)	20 AWG BROWN
6 (16 GA)	12 AWG RED
7 (16 GA)	12 AWG BLACK
8 (16 GA)	20 AWG YELLOW
9 (16 GA)	20 AWG WHITE

PAVE#	X
5998	192 [4877]
5998-1	600 [15240]

**NOTES:**

1. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM SOCKET TO SOCKET WITH MATING CONNECTOR.
2. CONTINUITY TEST MATING CONNECTOR TO WIRE ENDS < 1.0 OHM.
3. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
4. ALL PARTS MUST PASS ALL TESTS.
5. COSMETIC SURFACE VOIDS ON OVERMOLDING ARE ACCEPTABLE,  $\phi$ .060 [1.5] MAX ALLOWED VOID SIZE.
6. REF-OPERATING TEMPERATURE RANGE -40°C TO 80°C.
7. DIMENSIONS ARE INCHES [millimeters].
8. REF-CABLE ASSEMBLY PLUG MATES WITH PAVE# 3575.

ITEM	QTY	PART NUMBER	DESCRIPTION
5	1	6009	COUPLING NUT ACETAL BLACK
4	8	M39029-30-218	CONTACT SOCKET 16 AWG CRIMP
3	1	M39029-30-219	CONTACT SOCKET 12 AWG CRIMP
2	A/R	EN-5852 BLACK	POLYURETHANE BLACK FLAME RETARDANT CONAP 85 A DUROMETER
1	1	6C20-2C12-1C14	CABLE UNSHIELDED 9/C (1#14/2#12/6#20) TPC/PVC POLYURETHANE JACKET

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DESCRIPTION  
 PU CABLE ASSEMBLY 1/2/6-PC14/12/20-PLUG-X

PART NUMBER  
**5998**

MATERIAL NOTED

REVISION LEVEL -

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