



WIRE CONNECTION TABLE (SEE NOTES 10 & 13)

SOC	WIRE COLOR	WIRE SIZE	PULL TEST POUNDS
A	BLACK	24 AWG TP	8.0
B	BROWN		8.0
C	ORANGE	30 AWG	1.5
D	RED	24 AWG TP	8.0
E	ORANGE		8.0
F	RED	30 AWG TP	1.5
G	YELLOW		1.5
H	GREEN	24 AWG TP	8.0
J	YELLOW		8.0

SOC	WIRE COLOR	WIRE SIZE	PULL TEST POUNDS
K	BLUE	24 AWG TP	8.0
L	VIOLET		8.0
M	BLACK	30 AWG TP	1.5
N	BROWN		1.5
P	YELLOW	24 AWG COAX 50 OHM	10 CENTER 15 SHIELD
R	GREEN	30 AWG	1.5

14	2	ALPHA #2843/7 TYPE ET-26	26 AWG BLACK 250 VDC DRAIN WIRE
13	1	PAVE 0560	JAM NUT, Ø.625-18 SPIRALOCK (NOT SHOWN)
12	1	PARKER 2-018	O-RING, BUTYL B612-70 DURO (NOT SHOWN)
11	1	PAVE 0558	Ø.625-18 HOUSING, HARRIS
10	1	PAVE 0559	FERRULE, .625-18 HOUSING
9	1	SMALLEY VH-68-SO2	RETAINING RING, 302 SS
8	57"	2000566-005	CUSTOMER SUPPLIED CABLE
7	A/R	CPC-19 A/B	BLACK URETHANE CASTING, 70A DUROMETER
6	1	PAVE 0614	ENDCAP, BACKSHELL
5	A/R	PAVESEAL 150	EPOXY CASTING, 90D DUROMETER
4	1	PAVE 0610	FERRULE, 38999 BACKSHELL
3	1	PAVE 0609	BACKSHELL, 38999
2	A/R	PAVESEAL 150	MOLDED EPOXY COLLAR
1	1	MS27466T15F15S W/ D-602-0141	38999 #15 W/14 20AWG SOCKETS + 1 COAX RCPT
ITEM	QTY	PART NUMBER	DESCRIPTION

NOTES:

- SUBMERGE THIS IN SALT WATER & PERFORM HYPOT TEST AT 630 VDC, 500 MEGOHMS MIN WIRE TO WIRE & SHIELD.
- CHECK IMPEDANCE OF COAX WITH TDR, 50±5 OHMS.
- LEAK TEST 15 PSI FOR 30 MINUTES, NO VISIBLE BUBBLES.
- HELIUM LEAK TEST, 30 MINUTES, <5x10⁻⁷ CC/SEC AIR EQUIVALENT.
- CHECK ELECTRICAL CONTINUITY OF CONDUCTORS FOR 1 OHM MAX.
- SHIELD TERMINATION: SHIELD TO BE TERMINATED TO BACKSHELL & FEEDTHRU BODY WITH 360° COVERAGE AND A RESISTANCE OF 200 mOHMS MAX TO EACH END.
- PULL TEST CABLE AT 50 LBS MIN FOR 1 MINUTE BEFORE FINAL LEAK AND ELECTRICAL TESTS.
- ARMOR TO BE ISOLATED FROM SHIELD, HOUSING, & BACKSHELL, AT 5 VDC AND 40,000 OHMS.
- THERMAL CYCLE: -45°C TO 70°C FOR 1 HOUR HOLD AT TEMP, 5 MINUTES MAX TRANSFER TIME, 25 CYCLES.
- CHECK WIRE TO CONTACT RETENSION PER PULL TEST POUNDS LISTED IN WIRE CONNECTION TABLE ABOVE.
- CHECK CONTACT TO CONNECTOR RETENSION W/RTCRT-20L5.0 TOOL, ALL CONTACTS, 5 LBS MIN RETENSION.
- CHECK SOCKET CONTACT SEPARATION FORCE WITH TOOL MS3197-20X1, ALL CONTACTS, .5 OUNCES MIN.
- CHECK CONNECTOR PINOUT WITH MATING ASSEMBLY.
- CABLE MAY HAVE 2 SPLICED WIRES MAX, WIRES MUST BE IDENTIFIED ON REPORT SHIPPED TO BUYER, NO SPLICE ON COAX.
- COAX SHIELD TO BE TERMINATED TO BODY OF CONNECTOR WITH A RESISTANCE OF 50 mOHMS MAX.
- USE GLAND SEAL 3031406-101 FOR INTERFACE MATING DURING TESTING.
- (2) 26AWG BLACK DRAIN WIRES TO BE TERMINATED TO CABLE SHIELD AND FEEDTHRU BODY.

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

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DESCRIPTION
005 CABLE 38999 15S W/COAX RCPT

PART NUMBER
1456

REVISION LEVEL
B

PROJECTION