



WIRE CONNECTION TABLE

PIN	WIRE COLOR	WIRE SIZE	PULL TEST POUNDS
A	BLACK	24 AWG	8
B	BROWN	TWISTED PAIR	8
C	ORANGE	30 AWG	1.5
D	RED	24 AWG	8
E	ORANGE	TWISTED PAIR	8
F	RED	30 AWG	1.5
G	YELLOW	TWISTED PAIR	1.5
H	GREEN	24 AWG	8
J	YELLOW	TWISTED PAIR	8

PIN	WIRE COLOR	WIRE SIZE	PULL TEST POUNDS
K	BLUE	24 AWG	8
L	VIOLET	TWISTED PAIR	8
M	BLACK	30 AWG	1.5
N	BROWN	TWISTED PAIR	1.5
P	YELLOW	24 AWG COAX 50 OHM	10 CENTER 15 SHIELD
R	GREEN	30 AWG	1.5

LENGTH TABLE

PAVE#	L1	L2	WEIGHT MAX	MAX RESISTANCE END TO END
1852	400±2"	404"	3.2lbs	#24: 1.0 OHM / #30: 4.2 OHMS
1852-1	794±4"	798"	6.4lbs	#24: 1.9 OHMS / #30: 8.3 OHMS

- 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.
 - NO SPLICE ALLOWED IN COAX & KEEP FREE OF BENDS AND KINKS.
 - CHECK ELECTRICAL CONTINUITY OF CONDUCTORS PER LENGTH TABLE.
 - 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 CONNECTOR PINOUT WITH MATING RECEPTACLES.
 - CABLE MAY HAVE 1 SPLICED WIRES MAX, WIRES MUST BE IDENTIFIED ON REPORT SHIPPED TO BUYER.
 - 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.
 - VERSION TO BE BUILT MUST BE SPECIFIED ON THE P.O. AND S.O..
 - LENGTH L1 MAY BE UP TO 6" SHORTER AFTER RETERMINATION WITH BUYER APPROVAL.
 - BEFORE SHIPPING, CHECK OUTLINE DIMENSIONS AND CHECK WEIGHT.
 - PAVE TO SUPPLY A CERTIFICATE OF CONFORMANCE SHOWING RESULTS OF TESTS STATED ABOVE.
 - COAX CONTACTS TO BE ASSEMBLED USING RAYCHEM AIR GUN AA-400-32, FIXTURE AD-1319 & ADAPTOR AT-1319-78.

ITEM	QTY	PART NUMBER	DESCRIPTION
8	L2	2000566-005	CABLE 14 WIRES & 1 COAX (CUST SUP)
7	2	D-602-0140	PIN COAX 16AWG REFLOW (FOR ITEM 1)
6	2	PAVE 0614	ENDCAP BACKSHELL 38999 #15
5	A/R	EN-1556 BLACK	URETHANE CASTING 70A DURO
4	A/R	PAVESEAL 150	EPOXY CASTING 90D
3	2	PAVE 0610	FERRULE SHIELD CON 38999 #15
2	2	PAVE 0609	BACKSHELL 38999 #15
1	2	MS27467T15F15P	PLUG 38999 #15 W/14 20AWG & 1 COAX

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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PAVE technology co.

DESCRIPTION **PAVE-Seal® Cable Harnesses**
005 CABLE 38999x2 15P W/COAX PLUG

PART NUMBER **1852**

REVISION LEVEL **C**

PROJECTION