



NOTES:

1. OPERATING RANGE: -40°C TO 90°C.
2. ELECTRICAL TEST: HYPOT 630 VDC 500 MΩ 0.01 SEC MINIMUM WIRE TO WIRE & HOUSING.
3. LEAK TEST: 80 PSI N2, NO BUBBLES 30 SECONDS MINIMUM.
4. QUALIFICATION TESTING ONLY:
 - a.) LEAK TEST: 440 PSI N2, BIDIRECTIONAL, NO BUBBLES 2 MINUTES MINIMUM.
 - b.) BURST TEST AFTER THERMAL CYCLE 1200 PSI N2/HYDRAULIC FLUID BIDIRECTIONAL NOT TO BLOW OUT.
 - c.) LEAK TEST: 80 PSI N2, NO BUBBLES 10 MINUTES MINIMUM.
5. PAVE-Seal 200FR-FACTORY MUTUAL & UL V-094 APPROVED. FLUSH TO ITEM 1 ±.04 [1.0mm] BOTH SIDES.
6. WIRE-.5mm², 16/19 STRANDED TINNED COPPER W/ 105°C PVC HARMONIZED TO H05V2-K.
7. STAMPED IN .08 [2mm] HIGH CHARACTERS PER CENELEC EN50014, EN50018, & EN50020.
8. STRIP & RETAIN ALL WIRES: HEX SIDE STRIP .12-.16 [3-4mm] & THREAD SIDE .23-.28 [6-7mm]. IT IS ACCEPTABLE FOR RETAINED ENDS TO BE LOST DURING HANDLING.
9. LEAK TESTING DONE WITH -117 O-RING W/NO LUBE, REMOVED AFTER TESTING.
10. DIMENSIONS ARE INCHES [millimeters].

WIRE#	COLOR	X	Y
1	BROWN	3.15+.39/- .10 [80+10/-2.5]	5.12+.39/- .1 [130+10/-2.5]
2	RED	3.54+.39/- .10 [90+10/-2.5]	5.12+.39/- .1 [130+10/-2.5]
3	ORANGE	3.94+.39/- .10 [100+10/-2.5]	3.94+.39/- .1 [100+10/-2.5]
4	YELLOW	3.94+.39/- .10 [100+10/-2.5]	3.94+.39/- .1 [100+10/-2.5]
5	GREEN	4.33+.39/- .10 [110+10/-2.5]	3.94+.39/- .1 [100+10/-2.5]
6	BLUE	4.72+.39/- .10 [120+10/-2.5]	3.94+.39/- .1 [100+10/-2.5]

WIRE#	COLOR	X	Y
7	VIOLET	4.72+.39/- .10 [120+10/-2.5]	3.94+.39/- .1 [100+10/-2.5]
8	GREY	5.51+.39/- .10 [140+10/-2.5]	3.94+.39/- .1 [100+10/-2.5]
9	WHITE	5.51+.39/- .10 [140+10/-2.5]	3.94+.39/- .1 [100+10/-2.5]
10	BLACK	3.15+.39/- .10 [80+10/-2.5]	5.12+.39/- .1 [130+10/-2.5]
11	PINK	3.15+.39/- .10 [80+10/-2.5]	5.12+.39/- .1 [130+10/-2.5]
12	TAN	3.15+.39/- .10 [80+10/-2.5]	5.12+.39/- .1 [130+10/-2.5]

3	12	HAR20 *****	WIRE, NOTE6 & *****=COLOR (ø2.15mm MAX)
2	A/R	PAVE-Seal 200FR	EPOXY BLACK FM/UL V-094 APPROVED
1	1	0841 (12)	HOUSING M24x1.5-AL W/ YEL DICHRIMATE
ITEM	QTY	PART#	DESCRIPTION

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 PAVE-Seal Cable Harnesses
M24-AL-150-12-HAR20-3-4

PART NUMBER **0840**

REVISION LEVEL **J**

PROJECTION