



canfield connector

SPECIFICATION FOR W1084 U.S. MULTI-CONDUCTOR CABLE

APPLICATION IS PRIMARILY FOR THE INTERCONNECTION OF ELECTRONIC EQUIPMENT, INCLUDING PROXIMITY SWITCHES, CONNECTORS, AND TIMERS. WIRE COULD ALSO BE USED FOR REMOTE CONTROL AND INSTRUMENTATION, ETC.

1. CONDUCTORS MUST MEET THE FOLLOWING CRITERIA:
 - a. 18 AWG
 - b. 16/30 STRANDING
 - c. BARE COPPER CONDUCTORS
 - d. COLOR CODE IS TO BE BLACK, GREEN, WHITE AND RED
 - e. CONDUCTOR INSULATION IS TO BE PVC
 - f. INSULATED CONDUCTORS ARE TO BE CABLED AND TWISTED

2. OUTSIDE JACKET MUST MEET THE FOLLOWING CRITERIA:
 - a. JACKET MATERIAL TO BE BLACK PVC, MATERIAL GFE 8085
 - b. WIRE OUTSIDE DIAMETER IS CRITICAL: 0.275", +/- .010". THIS DIMENSION IS EXTREMELY CRITICAL! WIRE CANNOT BE ACCEPTED THAT IS OUTSIDE THIS DIMENSION.
 - c. JACKET IS TO BE PRESSURE EXTRUDED. THE JACKET SHOULD BE FLOODED AROUND THE INSULATORS. THE OUTSIDE JACKET MUST BE ROUND.
 - d. WIRE MUST BE FREE STRIPPING. THIS IS TO SAY THE INSULATOR IS EASY TO REMOVE FROM THE CONDUCTOR AND THE JACKET IS EASY TO REMOVE FROM THE INSULATORS.
 - e. THE RELEASE AGENT IS TO BE TALC. NO TISSUE IS TO BE USED IN THE PRODUCTION OF THIS WIRE.
 - f. THE FLEXIBILITY OF THIS WIRE IS IMPORTANT TO THE SPECIFIC USER'S REQUIREMENTS. THE BENDING RADIUS SHOULD BE 8 TIMES OR LESS THE CABLE OUTSIDE DIAMETER. THIS RESULTS IN A BENDING RADIUS OF 2.2 INCHES OR LESS. THE MORE FLEXIBLE THE BETTER.
 - g. WIRE MUST BE RATED FOR 300 VOLTS AND TEMPERATURE RANGE -20 TO +80 DEGEES CENTIGRADE

3. WIRE MUST BE PRINTED IN WHITE INK WITH THE FOLLOWING MARKINGS & APPROVALS:
 - a. W1084
 - b. 18/4
 - c. PVC
 - d. 300 VOLTS
 - e. 80 DEGREES CENTIGRADE
 - f. U.L. VW-1 AWM 2464
 - g. CSA AWM I/II A

4. SPOOL SPECIFICATIONS
 - a. REEL MUST BE NO MORE THEN 1000 FEET.
 - b. REEL CENTER HOLE CAN BE ANY OF THE FOLLOWING I.D. 3/4", 1 1/4" & 1 1/2".
 - c. REEL WEIGHT MUST NOT EXCEED 50 POUNDS.
 - d. REEL WIDTH MUST NOT EXCEED 12 INCHES.
 - e. REEL DIAMETER MUST NOT EXCEED 20 INCHES.
 - f. REEL MUST BE LABELED WITH AUTHORIZED UL & CSA FOR RE-SPOOLING.

5. A CERTIFICATE STATING CONFORMANCE WITH OUR SPECIFICATIONS AND THE DATE OF MANUFACTURE NEEDS TO BE SUPPLIED WITH EVERY ORDER OF THIS WIRE.

REV	Date	Initial	Description of Change
01	12/05/2006	FEB	ADDED AWM NUMBERS
02	04/08/2016	NFH	REMOVED CANFIELD CONNECTOR FROM MARKING LIST; UPDATED LAYOUT; ADDED SPOOL SPECIFICATIONS

