



canfield connector

SPECIFICATIONS FOR W1242 ROUND MOLDED CONNECTOR CABLE

1. APPLICATION IS PRIMARILY FOR THE INTERCONNECTION OF ELECTRONIC EQUIPMENT, INCLUDING PROXIMITY SWITCHES, CONNECTORS, AND TIMERS
2. CONDUCTORS MUST MEET THE FOLLOWING CRITERIA:
 - a. 24 AWG
 - b. 7/32 STRANDING
 - c. BARE COPPER CONDUCTORS
 - d. CONDUCTOR INSULATION TO BE PVC.
 - e. COLOR CODE IS TO BE BROWN, WHITE, BLUE & BLACK
 - f. INSULATED CONDUCTORS ARE TO BE CABLED AND TWISTED.
3. OUTSIDE JACKET MUST MEET THE FOLLOWING CRITERIA:
 - a. JACKET MATERIAL TO BE DULL BLACK PUR, MATERIAL ESTANE 58202.
 - b. WIRE OUTSIDE DIAMETER IS TO BE 0.197 INCHES, +/- 0.01 INCHES. 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 1.34 INCHES OR LESS. THE MORE FLEXIBLE THE BETTER.
 - g. WIRE MUST BE RATED FOR 300 VOLTS AND TEMPERATURE RANGE -20 TO +80 DEGEES CENTIGRADE
4. WIRE MUST MEET AND BE PRINTED IN WHITE INK WITH THE FOLLOWING MARKINGS & APPROVALS:
 - a. W1242
 - b. Canfield Connector
 - c. 24/4
 - d. PUR
 - e. 300 VOLT
 - f. 80 DEGREES CENTIGRADE
 - g. UL VW-1 AWM 20233
 - h. CSA AWM I/II A FT1
5. 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 40 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.
6. 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	6/10/13	FEB	Correct the AWM Style to 20233 for PUR cable. AWM 2464 is for PVC

