



canfield connector

**SPECIFICATIONS FOR W1238 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, 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 PVC, MATERIAL GFE 8085.
  - 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. W1238
  - b. Canfield Connector
  - c. 24/3
  - d. PVC
  - e. 300 VOLT
  - f. 80 DEGREES CENTIGRADE
  - g. UL VW-1 AWM 2464
  - 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

