



# canfield connector

## SPECIFICATIONS FOR W1000

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

1. CONDUCTORS ARE TO MEET THE FOLLOWING CRITERIA:
  - a. 22 AWG
  - b. 7/30 STRANDING
  - c. TINNED COPPER CONDUCTORS
  - d. CONDUCTOR INSULATION TO BE PVC.
  - e. COLOR CODE IS TO BE BLACK AND RED.
  - f. INSULATED CONDUCTORS ARE TO BE CABLED AND TWISTED.
  
2. OUTSIDE JACKET MUST MEET THE FOLLOWING CRITERIA:
  - a. JACKET MATERIAL TO BE GRAY PVC, MATERIAL GFE8085
  - b. WIRE OUTSIDE DIAMETER IS TO BE .200", +/- .005". THIS DIAMETER 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'S OUTSIDE DIAMETER. BENDING RADIUS = 1.6 INCHES. THE MORE FLEXIBLE THE WIRE, THE BETTER.
  - g. WIRE MUST BE RATED FOR 300 VOLTS AND TEMPERATURE RATING -20 TO +80 DEGREES CENTIGRADE.
  
3. WIRE MUST BE PRINTED IN ROYAL BLUE INK WITH THE FOLLOWING MARKINGS AND APPROVALS:
  - a. W1000
  - b. 22/2
  - c. PVC
  - d. 300 VOLT
  - e. 80 DEGREES CENTIGRADE
  - f. UL VW-1 AWM 2464 OR 2095
  - g. CSA AWM I/II A FT1
  
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. CERTIFICATE STATING CONFORMANCES WITH OUR SPECIFICATIONS AND THE DATE OF MANUFACTURE NEEDS TO BE SUPPLIED WITH EVER ORDER OF THIS WIRE.

REV	DATE	INITIAL	DESCRIPTION OF CHANGE
05	04/07/2016	NFH	REMOVED CANFIELD CONNECTOR FROM MARKING LIST; UDPATED LAYOUT; ADDED SPOOL SPECIFICATIONS
06	12/13/2016	NFH	1:a FROM BARE TO TINNED COPPER CONDUCTOR