

1/C THHW, MTW, AWM 1011/1015/1032/1230/1335, BC-5W2, AWM I A/B, or TEW

Tinned Copper Conductor
PVC Insulation



Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

Conductors: Bunch-stranded tinned copper; see Table 1 for stranding details

Insulation: Polyvinyl chloride (PVC)

Colors: All colors available upon request

APPLICATIONS AND FEATURES:

For use in internal wiring of electrical equipment, control panels, appliances, and grounding for use on industrial plant floor as permitted in NEC Article 310 and NFPA #79. Suitable for use in boat wiring in accordance with 33 CFR Sections 183.425-183.435. Voltage and temperature ratings are as follows:

- BC-5W2: 75°C in wet locations, 105°C in dry locations, 600V
- MTW or AWM 1335: 60°C in wet locations, 90°C in dry locations, 600V
- THHW: 75°C in wet locations, 90°C in dry locations, 600V
- AWM 1011: 80°C in dry locations, 600V
- AWM 1015: 105°C in dry locations, 600V
- AWM 1032: 90°C in dry locations, 1000V
- AWM 1230: 60°C in wet locations, 105°C in dry locations, 600V
- CSA TEW or AWM I A/B: 105°C in dry locations, 600V

SPECIFICATIONS:

- ASTM B33 – Tin-Coated Soft or Annealed Copper Wire
- ASTM B174 – Bunch-Stranded Copper Conductors
- UL 83 – Thermoplastic-Insulated Wires and Cables
- UL 758 – Appliance Wiring Material
- UL 1063 – Machine-Tool Wires and Cables
- UL 1426 – Electrical Cables for Boats
- VW-1 Rated
- CSA FT1 – Vertical Wire Flame Test (1,706 BTU/hr)
- CSA C22.2 No. 127 – Equipment and lead wires
- CSA C22.2 No. 210 – Appliance wiring material products
- RoHS-2 Compliant

SAMPLE PRINT LEGEND:

XX AWG (XX mm²) E69567 (PLANT ID CODE) (UL) BC-5W2 OR MTW FLEXING OR THHW OR AWM 1011/1015/1230/1335 600V OR 1032 1000V MOISTURE RESISTANT VW-1 -- 156205 CSA TEW 105C 600V FT1 OR AWM I A/B 105C 600V FT1



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TABLE 1 – WEIGHTS & MEASUREMENTS

Stock Number	Conductor Size	Strand Count	Insulation Thickness	Approx. Overall OD	Approx. Weight
-	AWG	-	mils	inches	lb./MFT
F14037	14	41	32	0.135	20
F12024	12	65	30	0.155	30
F10012	10	105	31	0.180	45



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