Specification Sheet

BWC Part Number #: 1602S-VNQ

16 AWG 2-Conductor Shielded 600V Control Tray Cable

Application

This is a 600V shielded control tray cable suitable for a wide range of installations. As a quad-rated cable (TC-ER, PLTC, NPLF & FPL), it can be used for various power-limited and non-power-limited circuits. It's approved for applications requiring sunlight and oil resistance (SUN RES, OIL RES I), is rated for direct burial (DIR BUR), and can be used in wet or dry locations up to 90°C. This cable is also suitable for use in Class I, Division II hazardous locations, with installation guidelines found in NEC (NFPA 70) article 336.

Construction

- **Conductor**
  - Material: Annealed Bare Copper
  - Size & Stranding: 16 AWG, 7 Strands (Class B)
  - Conductor Count: 2
- **Insulation**
  - Material: Polyvinylchloride (PVC) with a Nylon overcoat
  - Wall Thickness: 0.015” PVC & 0.005” Nylon
  - Color Code: Method 1, Table E-2
- **Assembly**
  - Lay Length: 3.00” Left-Hand Lay
- **Shielding**
  - Shield: Aluminum/Mylar Tape with 100% coverage
  - Drain Wire: 16 AWG, 7 Strand Tinned Copper
- **Jacket**
  - Material: Polyvinylchloride (PVC)
  - Wall Thickness: 0.045”
  - Nominal Diameter: 0.291”
  - Color: Black
  - Ripcord: Yes

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- **Physical Properties**
  - Weight: 55 lbs./Mft.
  - Cold Bend Rating: -40°C

Standards & Approvals

- UL listed as Type TC-ER per UL Standard 1277.
- UL listed as Quad Rated: TC-ER, PLTC, NPLF & FPL.
- Meets requirements of PLTC per UL Standard 13.
- UL approved for Direct Burial, Sunlight Resistant, and Oil Resistant I applications.
- Meets UL 1581 & 1202 (FT-4) and ICEA T-29-520 flame test requirements.
- Meets ICEA S-73-532 where applicable.
- All materials are RoHS II & REACH compliant.
- Made in the USA.

Cable Marking

- Print Legend: 16AWG 2C SHIELDED (UL) NPLF 90'C 150V PVC/N OR PLTC OR FPL OR TC-ER 600V 90'C DRY/WET SUN RES DIR BUR OIL RES I PVC JACKET FT4 "ROHS II" REACH MADE IN USA

ALL SPECIFIED PARAMETERS WITHOUT A TOLERANCE ARE NOMINAL AND SUBJECT TO VERIFICATION. BEST WIRE IS NOT RESPONSIBLE FOR UNKNOWN PERFORMANCE ATTRIBUTES THAT WERE NOT MADE KNOWN TO BEST WIRE AT THE TIME OF DESIGN.