



Specification Sheet

BWC Part Number#: 4585PL

Description: 18 AWG 8C 7 STRAND BARE COPPER WIRE WITH .007" SGPVC INSULATION, OVERALL ALUMINUM MYLAR TAPE SHIELD WITH A 24 AWG 7 STRAND TINNED COPPER DRAIN WIRE, OVERALL .015" NATURAL SGPVC JACKET

1. Conductor

- 1.1. AWG Size & Stranding: 18 AWG 7 Strands Class B
- 1.2. Material: Annealed Bare Copper
- 1.3. Conductor Count: 8 Conductors

2. Insulation

- 2.1. Material: Plenum Rated Polyvinylchloride
- 2.2. Wall Thickness: 0.007"
- 2.3. Diameter: 0.059" \pm 0.002"
- 2.4. Color Code: Black, Red, White, Green, Brown, Blue, Orange, Yellow

3. Cable Assembly

- 3.1. Lay Length: 3.00" LHL (4.00 Tw/Ft)
- 3.2. Shield: Aluminum Mylar Tape Shield - 100% Coverage
- 3.3. Drain Wire: 24 AWG 7 Strand Tinned Copper Wire

4. Jacket

- 4.1. Material: Plenum Rated Polyvinylchloride
- 4.2. Wall Thickness: 0.015"
- 4.3. Diameter: 0.227" \pm 0.020"
- 4.4. Color: Natural
- 4.5. Ripcord: Yes
- 4.6. Weight: 59 Lbs/Mft

5. Markings

- 5.1. Type: Cable permanently identified via surface inkjet print
- 5.2. Legend: LAKE CABLE E171202 18AWG 8C SHIELDED 75C (UL) CL3P OR FPLP OR C(UL)US CMP FT6
"ROHS COMPLIANT" MADE IN USA
- 5.3. Footage Markers: Yes

6. Electricals

- 6.1. Impedance: 37 Ω \pm 10%
- 6.2. Capacitance: 32 pF/ft.
- 6.3. DC Resistance: 6.60 Ω /Mft. @ 20°C






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7. Standards

- 7.1. Cable suitable for installation under NEC (NFPA 70) articles 800, 725 and 760 guidelines
- 7.2. Cable suitable for installation in Canada under Section 60 of CEC, Part I
- 7.3. C(UL)US listed as CMP per UL standard 444 and per CSA C22.2 No. 214-17
- 7.4. UL listed as CL3P per UL standard 13 or FPLP per UL standard 1424
- 7.5. Cable meets NFPA 262 (Steiner tunnel) flame test
- 7.6. Cable meets RoHS 2002/95/EC Directive, RoHS 2 2011/65/EU Directive, RoHS 3 2015/863/EU Directive
- 7.7. Cable is REACH compliant per Regulation (EC) No 1907/2006 (197) Updated January 15, 2019
- 7.8. Made in the USA
- 7.9.  **WARNING:** This product may contain chemicals, such as Vinyl Chloride, known to the state of California to cause cancer. For more information, go to www.P65Warnings.ca.gov. Wash hands after handling

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

GET WIRED

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Information on this specification is subject to change without notice. REV 03062023



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