

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 3480/18C
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Issue: 6
Issue Date: 5/20/2005
Effective Date: 8/1/2005

A. Construction

Diameters (In)

- 1) Component 1 18 X 1 PAIR
 - a) Conductor 28 (7/36) AWG TC
 - b) Insulation 0.010" Wall, Nom. PVC, Semi Rigid 0.035
 - (1) Color Code Alpha Wire Company Color Code A

| Pair | Color | Pair | Color | Pair | Color |
|------|--------------|------|--------------|------|--------------|
| 1 | BLACK-RED | 7 | BLACK-ORANGE | 13 | RED-ORANGE |
| 2 | BLACK-WHITE | 8 | RED-GREEN | 14 | GREEN-BLUE |
| 3 | BLACK-GREEN | 9 | RED-WHITE | 15 | GREEN-WHITE |
| 4 | BLACK-BLUE | 10 | RED-BLUE | 16 | GREEN-BROWN |
| 5 | BLACK-BROWN | 11 | RED-YELLOW | 17 | GREEN-ORANGE |
| 6 | BLACK-YELLOW | 12 | RED-BROWN | 18 | GREEN-YELLOW |

- c) Pair 2/Cond Cabled Together
- (1) Twists: 12.0 Twists/foot (min)
- 2) Cable Assembly 18 Components Cabled
 - a) Twists: 2.8 Twists/foot (min)
- 3) Shield: Alum/Mylar Tape, 25% Overlap, Min.
 - a) Foil Direction Foil Facing Out
 - b) Drain Wire 28 (7/36) AWG TC
 - c) Braid TC,65% Coverage, Min.
- 4) Jacket 0.035" Wall, Nom.,PVC 0.389 (0.413 Max.)
 - a) Color(s) SLATE
 - b) Print ALPHA WIRE-* P/N 3480/18C 18PR 28 AWG
SHIELDED 75C (UL) TYPE CL2 OR AWM 2464 ---
LLXXXXXX CSA TYPE CMG FT4 ROHS
* = Factory Code

[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]

B. Industry Approvals

- 1) UL AWM/STYLE 2464 80°C / 300 V_{RMS}
CL2 75°C
VW-1
- 2) CSA International CMG 60°C
FT4
- 3) EU Directive 2002/95/EC(RoHS):
All materials used in the manufacture of this part are in compliance with EU Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for compliance Date of Manufacture.
- 4) California Proposition 65: The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

C. Physical & Mechanical Properties

- 1) Temperature Range -20 to 80°C
- 2) Bend Radius 10X Cable Diameter
- 3) Pull Tension 57 Lbs, Maximum

D. Electrical Properties

(For Engineering purposes only)

- 1) Voltage Rating 300 V_{RMS}
- 2) Inductance 0.22 µH/ft, Nominal
- 3) Mutual Capacitance 21 pf/ft @1 kHz, Nominal
- 4) Ground Capacitance 38 pf/ft @1 kHz, Nominal
- 5) Conductor DCR 66 Ω/1000ft @20°C, Nominal
- 6) OA Shield DCR 3.3 Ω/1000ft @20°C, Nominal

E. Other

- 1) Packaging
 - a) 1000 FT

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- b) 500 FT
- c) 100 FT

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