

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6016C
Page 1 of 2 Pages

Issue: 7
Issue Date: 3/2/2009
Effective Date: 4/1/2009

A. Construction

Diameters (In)

- 1) Component 1 11 X 1 PAIR
 - a) Conductor 22 (7/30) AWG TC
 - b) Insulation 0.010" Wall, Nom. Polypropylene(PP) 0.050
 - (1) Color Code Alpha Wire Company Color Code A
- | Pair | Color | Pair | Color | Pair | Color |
|------|-------------|------|--------------|------|------------|
| 1 | BLACK-RED | 5 | BLACK-BROWN | 9 | RED-WHITE |
| 2 | BLACK-WHITE | 6 | BLACK-YELLOW | 10 | RED-BLUE |
| 3 | BLACK-GREEN | 7 | BLACK-ORANGE | 11 | RED-YELLOW |
| 4 | BLACK-BLUE | 8 | RED-GREEN | | |
- c) Pair 2/Cond Cabled Together
 - (1) Twists: 8.0 Twists/foot (min)
 - Individually Applied:
 - d) Shield: Foil Free Alum/Mylar Tape, 25% Overlap, Min.
 - (1) Foil Direction Foil Facing In
 - (2) Drain Wire 22 (7/30) AWG TC
 - 2) Cable Assembly 11 Components Cabled
 - a) Twists: 2.1 Twists/foot (min)
 - b) Core Wrap Clear Mylar Tape, 25% Overlap, Min.
 - 3) Jacket 0.048" Wall, Nom.,PVC 0.483 (0.505 Max.)
 - a) Color(s) SLATE
 - b) Print ALPHA WIRE-* P/N 6016C 11PR 22 AWG
SHIELDED 75C (UL) TYPE CMG OR AWM 2493 ---
C(UL) CMG FT4 ROHS
* = Factory Code

B. Industry Approvals

- 1) UL AWM/STYLE 2493 60°C
CMG 75°C
VW-1
- 2) CSA International C(UL) TYPE CMG 75°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 75°C
- 2) Bend Radius 10X Cable Diameter
- 3) Pull Tension 181 Lbs, Maximum

D. Electrical Properties

- (For Engineering purposes only)
- 1) Voltage Rating 300 V_{RMS}
- 2) Characteristic Impedance 60 Ω
- 3) Inductance 0.18 μH/ft, Nominal
- 4) Mutual Capacitance 28 pf/ft @1 kHz, Nominal
- 5) Ground Capacitance 50 pf/ft @1 kHz, Nominal
- 6) Conductor DCR 16.6 Ω/1000ft @20°C, Nominal
- 7) Ind. Shield DC Resistance 14.4 Ω/1000ft @20°C, Nominal

E. Other

- 1) Packaging
 - a) 1000 FT

Although Alpha Wire Company ("Alpha") makes every reasonable effort to ensure their accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.

Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6016C
Page 2 of 2 Pages

Issue: 7
Issue Date: 3/2/2009
Effective Date: 4/1/2009

- b) 500 FT
- c) 100 FT

Although Alpha Wire Company ("Alpha") makes every reasonable effort to ensure their accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.

Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.