

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

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| Part Number: 2244C Page 1 of 1 Pages | Issue: 4 Issue Date: 5/23/2005 Effective Date: 8/1/2005 |
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- A. Construction** Diameters (In)
- 1) Component 1 4 X 1 PAIR
 - a) Conductor 18 (16/30) AWG TC
 - b) Insulation 0.016" Wall, Nom. PVC 0.079
 - (1) Color Code Alpha Wire Company Color Code A

| Pair | Color | Pair | Color | Pair | Color |
|------|-------------|------|-------------|------|-------|
| 1 | BLACK-RED | 3 | BLACK-GREEN | | |
| 2 | BLACK-WHITE | 4 | BLACK-BLUE | | |

- c) Pair 2/Cond Cabled Together
 - (1) Twists: 5.3 Twists/foot (min)
- 2) Cable Assembly 4 Components Cabled
 - a) Twists: 2.7 Twists/foot (min)
- 3) Shield: Alum/Mylar Tape, 25% Overlap, Min.
 - a) Foil Direction Foil Facing Out
 - b) Drain Wire 20 (10/30) AWG TC
- 4) Jacket 0.040" Wall, Nom.,PVC 0.397 (0.413 Max.)
 - a) Color(s) SLATE
 - b) Print ALPHA WIRE-* P/N 2244C 4PR 18 AWG
SHIELDED 75C (UL) TYPE CM 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}
CM 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 108 Lbs, Maximum

D. Electrical Properties

- (For Engineering purposes only)
- 1) Voltage Rating 300 V_{RMS}
 - 2) Mutual Capacitance 39 pf/ft @1 kHz, Nominal
 - 3) Ground Capacitance 70 pf/ft @1 kHz, Nominal
 - 4) Characteristic Impedance 58 Ω
 - 5) Inductance 0.18 μH/ft, Nominal
 - 6) Conductor DCR 7.3 Ω/1000ft @20°C, Nominal
 - 7) OA Shield DCR 7.7 Ω/1000ft @20°C, Nominal

E. Other

- 1) Packaging
 - a) 1000 FT

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Part Number: 2244C
Page 2 of 1 Pages

Issue: 4
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- b) 500 FT
- c) 100 FT

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