

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 2245C
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Issue: 4
Issue Date: 5/23/2005
Effective Date: 8/1/2005

A. Construction

Diameters (In)

- 1) Component 1 5 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	5	BLACK-BROWN
2	BLACK-WHITE	4	BLACK-BLUE		

- c) Pair 2/Cond Cabled Together
- (1) Twists: 5.3 Twists/foot (min)
- 2) Cable Assembly 5 Components Cabled
- a) Twists: 2.3 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 0.045" Wall, Nom.,PVC 0.445 (0.462 Max.)
- a) Color(s) SLATE
- b) Print ALPHA WIRE-* P/N 2245C 5PR 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 VRMS
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 134 Lbs, Maximum

D. Electrical Properties

(For Engineering purposes only)

- 1) Voltage Rating 300 VRMS
- 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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- b) 500 FT
- c) 100 FT

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