

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 2465C
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Issue: 3
Issue Date: 4/13/2005
Effective Date: 6/1/2005

A. Construction

Diameters (In)

- 1) Component 1 2 X 1 COND
- a) Conductor 20 (7/28) AWG TC
- b) Insulation 0.015" Wall, Nom. PVC 0.068
- (1) Color(s)

Cond	Color	Cond	Color	Cond	Color
1	WHITE	2	GREEN		

- 2) Component 2 1 X 1 PAIR
- a) Conductor 20 (7/28) AWG TC
- b) Insulation 0.015" Wall, Nom. PVC 0.068
- (1) Color(s)

Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED				

- c) Cabling 2 COND Cabled
- Individually Applied:
- d) Shield: Alum/Mylar Tape, 25% Overlap, Min.
- (1) Foil Direction Foil Facing Out
- (2) Drain Wire 20 (7/28) AWG TC
- 3) Cable Assembly 3 Components Cabled
- a) Twists: 4.8 Twists/foot (min)
- b) Core Wrap Clear Mylar Tape, 25% Overlap, Min.
- 4) Jacket 0.030" Wall, Nom., PVC 0.240 (0.257 Max.)
- a) Color(s) SLATE
- b) Print ALPHA WIRE-* P/N 2465C 4C 20 AWG
 SHIELDED 75C (UL) TYPE CM --- 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 CM 75°C
- 2) CSA International CMG 60°C
- 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 44 Lbs, Maximum

D. Electrical Properties

(For Engineering purposes only)

- 1) Voltage Rating 300 V_{RMS}
- 2) Component 1
 - a) Inductance 0.19 µH/ft, Nominal
 - b) Mutual Capacitance 31 pf/ft @1 kHz, Nominal
 - c) Conductor DCR 10.1 Ω/1000ft @20°C, Nominal
- 3) Component 2

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- a) Characteristic Impedance 45 Ω
- b) Inductance 0.19 μ H/ft, Nominal
- c) Mutual Capacitance 50 pf/ft @1 kHz, Nominal
- d) Ground Capacitance 90 pf/ft @1 kHz, Nominal
- e) Conductor DCR 10.1 Ω /1000ft @20°C, Nominal
- f) Ind. Shield DC Resistance 9 Ω /1000ft @20°C, Nominal

E. Other

- 1) Packaging
 - a) 1000 FT
 - b) 500 FT
 - c) 100 FT

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