

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 1243/5
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Issue: 4
Issue Date: 6/6/2005
Effective Date: 8/1/2005

A. Construction

Diameters (In)

- 1) Component 1 1 X 3 COND
 a) Conductor 22 (7/30) AWG TC
 b) Insulation 0.016" Wall, Nom. PVC 0.062
 (1) Color(s)

Cond	Color	Cond	Color	Cond	Color
1	WHITE	2	BLACK	3	RED

- c) Cabling 3 COND Cabled
 (1) Twists: 6.9 Twists/foot (min)
 d) Shield TC BRAID Shield,80% Coverage, Min.
 2) Component 2 1 X 2 COND
 a) Conductor 22 (7/30) AWG TC
 b) Insulation 0.016" Wall, Nom. PVC 0.062
 (1) Color Code Alpha Wire Company Color Code D

Cond	Color	Cond	Color	Cond	Color
1	BLACK	2	RED		

- c) Cabling 2 COND Cabled
 (1) Twists: 6.9 Twists/foot (min)
 3) Cable Assembly 2 Components run parallel under jacket.
 4) Jacket 0.020" Wall, Nom.,PVC 0.195X0.300
 (0.205X0.314 Max.)
 a) Color(s) SLATE
 b) Print ALPHA WIRE-* P/N 1243/5 5C 22 AWG
 SHIELDED 75C (UL) TYPE CM OR AWM 2785
 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 2785 60°C / 300 VRMS
 CM 75°C
 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 75°C
 2) Bend Radius 10X Cable Diameter
 3) Pull Tension 31 Lbs, Maximum

D. Electrical Properties

(For Engineering purposes only)

- 1) Voltage Rating 300 VRMS
 2) Component 1
 a) Capacitance 39 pf/ft @1 kHz, Nominal Conductor to Conductor
 b) Ground Capacitance 70.2 pf/ft @1 kHz, Nominal
 c) Inductance 0.2 μH/ft, Nominal

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- d) Conductor DCR 16.2 Ω /1000ft @20°C, Nominal
- e) Component Shield DCR 5.1 Ω /1000ft @20°C, Nominal
- 3) Component 2
 - a) Capacitance 28 pf/ft @1 kHz, Nominal Conductor to Conductor
 - b) Inductance 0.2 μ H/ft, Nominal
 - c) Conductor DCR 16.2 Ω /1000ft @20°C, Nominal
- E. Other
 - 1) Packaging
 - a) 1000 FT
 - b) 500 FT
 - c) 100 FT

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