

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 2219/27C
Page 1 of 1 Pages

Issue: 3
Issue Date: 5/19/2005
Effective Date: 8/1/2005

A. Construction

Diameters (In)

- 1) Component 1 27 X 1 PAIR
- a) Conductor 22 (7/30) AWG TC
- b) Insulation 0.010" Wall, Nom. PVC 0.050
- (1) Color Code Alpha Wire Company Color Code A

Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED	10	RED-BLUE	19	WHITE-BLUE
2	BLACK-WHITE	11	RED-YELLOW	20	WHITE-BROWN
3	BLACK-GREEN	12	RED-BROWN	21	WHITE-ORANGE
4	BLACK-BLUE	13	RED-ORANGE	22	WHITE-YELLOW
5	BLACK-BROWN	14	GREEN-BLUE	23	BLUE-BROWN
6	BLACK-YELLOW	15	GREEN-WHITE	24	BLUE-ORANGE
7	BLACK-ORANGE	16	GREEN-BROWN	25	BLUE-YELLOW
8	RED-GREEN	17	GREEN-ORANGE	26	BROWN-ORANGE
9	RED-WHITE	18	GREEN-YELLOW	27	BROWN-YELLOW

- c) Pair 2/Cond Cabled Together
- (1) Twists: 8.0 Twists/foot (min)
- 2) Cable Assembly 27 Components Cabled
- a) Twists: 1.6 Twists/foot (min)
- 3) Shield: Alum/Mylar Tape, 25% Overlap, Min.
- a) Foil Direction Foil Facing Out
- b) Drain Wire 22 (7/30) AWG TC
- 4) Jacket 0.040" Wall, Nom., PVC 0.589 (0.619 Max.)
- a) Color(s) SLATE
- b) Print ALPHA WIRE-* P/N 2219/27C 27PR 22 AWG
 SHIELDED 75C (UL) TYPE CM OR AWM 2576 --- 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 2576 80°C / 150 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 302 Lbs, Maximum

D. Electrical Properties

(For Engineering purposes only)

- 1) Voltage Rating 150 VRMS
- 2) Mutual Capacitance 35 pf/ft @1 kHz, Nominal
- 3) Ground Capacitance 63 pf/ft @1 kHz, Nominal
- 4) Characteristic Impedance 65 Ω
- 5) Inductance 0.18 μH/ft, Nominal
- 6) Conductor DCR 16.6 Ω/1000ft @20°C, Nominal

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Page 2 of 1 Pages

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7) OA Shield DCR 8.3 Ω /1000ft @20°C, Nominal

E. Other

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

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