

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 1181/25C
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Issue: 6
Issue Date: 5/19/2005
Effective Date: 8/1/2005

A. Construction

Diameters

- 1) Component 1 25 X 1 COND
 - a) Conductor 22 (7/30) AWG TC
 - b) Insulation 0.010" Wall, Nom. PVC 0.050
 - (1) Color Code Alpha Wire Color Code D

Cond	Color	Cond	Color	Cond	Color
1	BLACK	10	GRAY	19	WHITE/YELLOW
2	RED	11	PINK	20	WHITE/BLUE
3	WHITE	12	TAN	21	WHITE/BROWN
4	GREEN	13	RED/GREEN	22	WHITE/ORANGE
5	ORANGE	14	RED/YELLOW	23	WHITE/GRAY
6	BLUE	15	RED/BLACK	24	WHITE/VIOLET
7	BROWN	16	WHITE/BLACK	25	WHITE/BLACK/RED
8	YELLOW	17	WHITE/RED		
9	VIOLET	18	WHITE/GREEN		

- 2) Cable Assembly 25 Components Cabled
- a) Twists: 2.7 Twists/foot (min)
- 3) Jacket 0.032" Wall, Nom.,PVC 0.364 (0.384 Max.)
- a) Color(s) GRAY
- b) Print ALPHA WIRE-* P/N 1181/25C 25/C 22 AWG
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/STYLE2576 80°C / 150V
 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 137 Lbs, Maximum

D. Electrical Properties

(For Engineering purposes only)

- 1) Voltage Rating 300 V_{RMS}
- 2) Capacitance 33 pf/ft @1 kHz, Nominal Conductor to Conductor
- 3) Inductance 0.18 µH/ft, Nominal
- 4) Conductor DCR 16.4 Ω/1000ft @20°C, Nominal

E. Other

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

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