

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 1178L
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Issue: 1
Issue Date: 1/5/2009
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A. Construction

Diameters (In)

- 1) Component 1 8 X 1 COND
a) Conductor 22 (7/30) AWG TC
b) Insulation 0.010" Wall, Nom. Low Smoke Zero Halogen (LSZH) 0.049
(1) Color Code Alpha Wire Company Color Code D

Cond	Color	Cond	Color	Cond	Color
1	BLACK	4	GREEN	7	BROWN
2	RED	5	ORANGE	8	YELLOW
3	WHITE	6	BLUE		

- 2) Cable Assembly 8 Components Cabled
a) Twists: 4.8 Twists/foot (min)
b) Core Wrap Clear Mylar Tape, 25% Overlap, Min.
3) Jacket 0.030" Wall, Nom., Low Smoke Zero Halogen (LSZH) 0.220 (0.233 Max.)
a) Color(s) SLATE
b) Print ALPHA WIRE-* P/N 1178L 8C 22 AWG
75C (UL) TYPE CM OR 75C C(UL) TYPE CMG
* = Factory Code

B. Industry Approvals

- 1) UL CM 75°C
2) CSA International FT4
C(UL) TYPE CMG 75°C
3) Other REACH Regulation (EC 1907/2006)
4) 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.

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) Inductance 0.17 µH/ft, Nominal
3) Conductor DCR 16.4 Ω/1000ft @20°C, Nominal

E. Other

- 1) Packaging
a) Bulk(Made-to-order)
2) Notes:
a) Flammability - Passes IEC 60332-1
b) Acid Gas Generation - Passes IEC 60754-1 and 60754-2
c) Smoke Emission - Passes IEC 61034-2

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