

**ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION**

Part Number: 5471L
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Issue: 1
Issue Date: 1/5/2009
Effective Date: 1/5/2009

A. Construction

Diameters (In)

- 1) Component 1 1 X 1 PAIR
- a) Conductor 24 (7/32) AWG TC
- b) Insulation 0.010" Wall, Nom. Low Smoke Zero Halogen (LSZH) 0.043
- (1) Color Code Alpha Wire Company Color Code K

Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED				

- c) Pair 2/Cond Cabled Together
- (1) Twists: 9.6 Twists/foot (min)
- 2) Shield: Alum/Mylar Tape, 25% Overlap, Min.
 - a) Foil Direction Foil Facing In
 - b) Drain Wire 24 (7/32) AWG TC
- 3) Jacket 0.028" Wall, Nom., Low Smoke Zero Halogen (LSZH) 0.161 (0.171 Max.)
 - a) Color(s) SLATE
 - b) Print ALPHA WIRE-* P/N 5471L 1PR 24 AWG
SHIELDED 75C (UL) TYPE CM OR 75C C(UL) TYPE CMG
LSZH ROHS
* = 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 10.6 Lbs, Maximum

D. Electrical Properties

- (For Engineering purposes only)
- 1) Voltage Rating 300 V_{RMS}
- 2) Inductance 0.19 µH/ft, Nominal
- 3) Conductor DCR 25 Ω/1000ft @20°C, Nominal
- 4) OA Shield DCR 23.7 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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