

Customer Specification

PART NO. 5471L

Construction

| | | | | | | Diameters (In) | | |
|-------------------|-----------|------|-------|------|-------|---|--|--------------------|
| 1) Component 1 | | | | | | 1 X 1 PAIR | | |
| a) Conductor | | | | | | 24 (7/32) AWG Tinned Copper | | 0.024 |
| b) Insulation | | | | | | 0.010" Wall, Nom. Polypropylene(PP) | | 0.044 |
| (1) Color Code | | | | | | Alpha Wire 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 Tinned Copper | | |
| 3) Jacket | | | | | | 0.030" Wall, Nom., Low Smoke Zero Halogen (LSZH) | | 0.152 (0.162 Max.) |
| a) Color(s) | | | | | | SLATE | | |
| b) Print | | | | | | ALPHA WIRE-* P/N 5471L 1PR 24 AWG EXXXXXX SHIELDED 75C (UL) C(UL) TYPE CMG-ST1 --- LSZH CE ROHS * = Factory Code <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i> | | |

Applicable Specifications

| | | |
|----------------------|-------------------------------------|------|
| 1) UL | CMG | 75°C |
| | ST1 (Limited Smoke) | |
| 2) CSA International | FT4 | |
| | C(UL) TYPE CMG | 75°C |
| 3) CE: | EU Low Voltage Directive 2014/35/EU | |

Environmental

| | |
|--|---|
| 1) CE: EU Directive 2011/65/EU(RoHS2), EU Directive 2015/863/EU (RoHS3): | |
| | This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011 and the amending Directive 2015/863/EU of 4 June 2015 . No Exemptions are required for RoHS Compliance on this item. |
| 2) REACH Regulation (EC 1907/2006): | |
| | This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item. |

Properties

| Physical & Mechanical Properties | |
|----------------------------------|---------------------------------|
| 1) Temperature Range | -20 to 75°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 10.6 Lbs, Maximum |
| Electrical Properties | |
| | (For Engineering purposes only) |
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Mutual Capacitance | 22.3 pF/ft @1 kHz, Nominal |
| 3) Ground Capacitance | 40 pF/ft @1 kHz, Nominal |
| 4) Characteristic Impedance | 68 Ω |
| 5) Inductance | 0.19 μH/ft, Nominal |
| 6) Conductor DCR | 25 Ω/1000ft @20°C, Nominal |
| 7) OA Shield DCR | 23.7 Ω/1000ft @20°C, Nominal |

Other

| Packaging | Flange x Traverse x Barrel (inches) |
|---|-------------------------------------|
| a) Bulk(Made-to-order) | |
| 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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