

**ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION**

Part Number: B952024
Page 1 of 2 Pages

Issue: 1
Issue Date: 8/19/2010
Effective Date: 10/14/2010

A. Construction

Diameters (mm)

- | | | |
|----------------|---------------------------------|------|
| 1) Component 1 | 2 X 1 COND | |
| a) Conductor | 26 (7/34) AWG TC | 0.48 |
| b) Insulation | 0.25 Wall, Nom. PVC, Semi Rigid | 0.99 |
| (1) Color Code | Alpha Wire Color Code E | |

Cond	Color	Cond	Color	Cond	Color
1	BLACK	2	BROWN		

- | | | |
|-------------------|---|------------------|
| 2) Cable Assembly | 2 Components Cabled | |
| a) Twists: | 45.0 Twists/meter (min) | |
| b) Core Wrap | Clear Mylar Tape, 25% Overlap, Min. | |
| 3) Shield: | A/P/A Tape, 25% Overlap, Min. | |
| a) Drain Wire | 26 (7/34) AWG TC | |
| b) Braid | TC, 70% Coverage, Min. | |
| 4) Jacket | 0.81 Wall, Nom., PVC | 4.39 (4.64 Max.) |
| a) Color(s) | GREY | |
| b) Ripcord | 1 End 810 Denier Nylon | |
| c) Print | ALPHA WIRE-* P/N B952024 | |
| | 0.14MM2 (26AWG) (UL) TYPE CM 105C OR AWM 2464 | |
| | VW-1 CE ROHS (SEQ METERS) | |
| | * = Factory Code | |

B. Applicable Specifications

- | | | |
|----------------|-----------------------------------|------------------------------|
| 1) UL | | |
| a) Component 1 | AWM/STYLE 10002 | 105°C / 300 V _{RMS} |
| b) Overall | AWM/STYLE 2464 | 80°C / 300 V _{RMS} |
| | CM | 105°C |
| | VW-1 | |
| 2) IEC | EN 60332-1 Flame Behavior | |
| | EN 60332-2 Flame Behavior | |
| 3) CE: | LVD 73/23/EEC Amendment 93/68/EEC | |

C. Environmental Compliance

- 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.
- REACH Regulation (EC 1907/2006):
This product does not contain any of the substances listed on the European Union REACH Substance of Very High Concern (SVHC) candidate list, dated 30 March 2010, in excess of a concentration of 0.1% weight/weight.

D. Physical & Mechanical Properties

- Temperature Range: -30 to 105°C
- Bend Radius: 10X Cable Diameter
- Pull Tension: 8.5 Lbs, Maximum
- Sunlight Resistance: Yes

E. Electrical Properties

(For Engineering purposes only)

- Voltage Rating: 300 V_{RMS}
- Capacitance: 101.68 pf/m @1 kHz, Nominal Conductor to Conductor
- Ground Capacitance: 183.68 pf/m @1 kHz, Nominal
- Characteristic Impedance: 62 Ω
- Inductance: 0.656 μH/m, Nominal
- Conductor DCR: 134.48 Ω/Km @20°C, Nominal
- OA Shield DCR: 24.6 Ω/Km @20°C, Nominal

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F. Other

- | | |
|--------------|-------------------------------------|
| 1) Packaging | Flange x Traverse x Barrel (inches) |
| a) 3280 FT | 18 x 12 x 8 Continuous length |
| b) 1640 FT | 12 x 10 x 5 Continuous length |
| c) 328 FT | 6.5 x 6 x 1.9 Continuous length |
| d) 164 FT | 6.5 x 4 x 2.5 Continuous length |
- [Spool dimensions may vary slightly]*

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