

ALPHA WIRE

CUSTOMER PRODUCT SPECIFICATION

Part Number: B952041
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Issue: 1
Issue Date: 8/19/2010
Effective Date: 10/14/2010

A. Construction

Diameters (mm)

- 1) Component 1 **4 X 1 COND**
 - a) **Conductor** **26 (7/34) AWG TC**
 - b) Insulation **0.25 Wall, Nom. PVC, Semi Rigid**
 - (1) Color Code **Alpha Wire Color Code E**

0.48
0.99

Cond	Color	Cond	Color	Cond	Color
1	BLACK	3	RED		
2	BROWN	4	ORANGE		

- 2) Cable Assembly **4 Components Cabled**
 - a) Twists: **39.4 Twists/meter (min)**
 - b) Core Wrap **Clear Mylar Tape, 25% Overlap, Min.**
- 3) Jacket **0.81 Wall, Nom., PVC** **4.09 (4.35 Max.)**
 - a) Color(s) **GREY**
 - b) Ripcord **1 End 810 Denier Nylon**
 - c) Print **ALPHA WIRE-* P/N B952041**
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

- 1) 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.
- 2) 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

- 1) Temperature Range **-30 to 105°C**
- 2) Bend Radius **10X Cable Diameter**
- 3) Pull Tension **8.7 Lbs, Maximum**
- 4) Sunlight Resistance **Yes**

E. Electrical Properties

- (For Engineering purposes only)
- 1) Voltage Rating **300 V_{RMS}**
- 2) Capacitance **66.256 pf/m @1 kHz, Nominal Conductor to Conductor**
- 3) Inductance **0.656 µH/m, Nominal**
- 4) Conductor DCR **137.76 Ω/Km @20°C, Nominal**

F. Other

- 1) Packaging **Flange x Traverse x Barrel (inches)**
 - a) 3280 FT **16 x 11 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**

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[Spool dimensions may vary slightly]

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