

**ALPHA WIRE**  
**CUSTOMER PRODUCT SPECIFICATION**

**Part Number: B962033**  
**Page 1 of 2 Pages**

**Issue: 1**  
**Issue Date: 9/8/2010**  
**Effective Date: 11/3/2010**

**A. Construction**

**Diameters (mm)**

- 1) Component 1 3 X 1 PAIR  
a) Conductor 26 (7/34) AWG TC  
b) Insulation 0.25 Wall, Nom. PVC, Semi Rigid  
(1) Color Code Alpha Wire Color Code B

0.48  
0.99

Pair	Color	Pair	Color	Pair	Color
1	WHITE-BLACK	2	WHITE-BROWN	3	WHITE-RED

- c) Pair 2/Cond Cabled Together  
(1) Twists: 39.4 Twists/meter (min)  
2) Cable Assembly 3 Components Cabled  
a) Twists: 26.2 Twists/meter (min)  
b) Core Wrap Clear Mylar Tape, 25% Overlap, Min.  
3) Shield TC BRAID Shield, 85% Coverage, Min.  
a) Drain Wire 26 (7/34) AWG TC  
4) Jacket 0.81 Wall, Nom., PVC 5.77 (6.10 Max.)  
a) Color(s) GREY  
b) Ripcord 1 End 810 Denier Nylon  
c) Print ALPHA WIRE-\* P/N B962033  
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<sub>RMS</sub>  
b) Overall AWM/STYLE 2464 80°C / 300 V<sub>RMS</sub>  
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 19.9 Lbs, Maximum  
4) Sunlight Resistance Yes

**E. Electrical Properties**

- (For Engineering purposes only)  
1) Voltage Rating 300 V<sub>RMS</sub>  
2) Mutual Capacitance 75.44 pf/m @1 kHz, Nominal  
3) Ground Capacitance 134.48 pf/m @1 kHz, Nominal  
4) Characteristic Impedance 83 Ω  
5) Inductance 0.656 μH/m, Nominal  
6) Conductor DCR 137.76 Ω/Km @20°C, Nominal

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7) OA Shield DCR 12.792  $\Omega$ /Km @20°C, Nominal

**F. Other**

1) Packaging	Flange x Traverse x Barrel (inches)
a) 3280 FT	24 x 14 x 12 Continuous length
b) 1640 FT	16 x 11 x 8 Continuous length
c) 328 FT	12 x 4.5 x 3.5 Continuous length
d) 164 FT	10 x 4 x 3.5 Continuous length

*[Spool dimensions may vary slightly]*

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