

ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: B953033
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Issue: 1
Issue Date: 8/19/2010
Effective Date: 10/14/2010

A. Construction

Diameters (mm)

- 1) Component 1 3 X 1 COND
a) Conductor 24 (7/32) AWG TC
b) Insulation 0.25 Wall, Nom. PVC, Semi Rigid
(1) Color Code Alpha Wire Color Code E

0.61
1.12

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

- 2) Cable Assembly 3 Components Cabled
a) Twists: 39.4 Twists/meter (min)
b) Core Wrap Clear Mylar Tape, 25% Overlap, Min.
3) Shield TC BRAID Shield, 85% Coverage, Min.
a) Drain Wire 24 (7/32) AWG TC
4) Jacket 0.81 Wall, Nom., PVC 4.67 (4.93 Max.)
a) Color(s) GREY
b) Ripcord 1 End 810 Denier Nylon
c) Print ALPHA WIRE-* P/N B953033
0.23MM2 (24AWG) (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 16.7 Lbs, Maximum
4) Sunlight Resistance Yes

E. Electrical Properties

- (For Engineering purposes only)
1) Voltage Rating 300 V_{RMS}
2) Capacitance 104.96 pf/m @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance 190.24 pf/m @1 kHz, Nominal
4) Inductance 0.6232 µH/m, Nominal
5) Conductor DCR 85.28 Ω/Km @20°C, Nominal
6) OA Shield DCR 21.648 Ω/Km @20°C, Nominal

F. Other

- 1) Packaging Flange x Traverse x Barrel (inches)

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|------------|---------------------------------|
| a) 3280 FT | 18 x 12 x 8 Continuous length |
| b) 1640 FT | 12 x 12 x 3.5 Continuous length |
| c) 328 FT | 10 x 4 x 3.5 Continuous length |
| d) 164 FT | 6.5 x 4 x 2.5 Continuous length |
- [Spool dimensions may vary slightly]*

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