

ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: B963041
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Issue: 1
Issue Date: 9/10/2010
Effective Date: 11/5/2010

A. Construction

Diameters (mm)

- 1) Component 1 4 X 1 PAIR
a) Conductor 24 (7/32) AWG TC
b) Insulation 0.25 Wall, Nom. PVC, Semi Rigid
(1) Color Code Alpha Wire Color Code B

0.61
1.12

Pair	Color	Pair	Color	Pair	Color
1	WHITE-BLACK	3	WHITE-RED		
2	WHITE-BROWN	4	WHITE-ORANGE		

- c) Pair 2/Cond Cabled Together
(1) Twists: 31.5 Twists/meter (min)
2) Cable Assembly 4 Components Cabled
a) Twists: 19.7 Twists/meter (min)
b) Core Wrap Clear Mylar Tape, 25% Overlap, Min.
3) Jacket 0.81 Wall, Nom., PVC 6.15 (6.51 Max.)
a) Color(s) GREY
b) Ripcord 1 End 810 Denier Nylon
c) Print ALPHA WIRE-* P/N B963041
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 28 Lbs, Maximum
4) Sunlight Resistance Yes

E. Electrical Properties

- (For Engineering purposes only)
1) Voltage Rating 300 V_{RMS}
2) Mutual Capacitance 71.504 pf/m @1 kHz, Nominal
3) Inductance 0.6232 µH/m, Nominal
4) Conductor DCR 85.28 Ω/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 18 x 12 x 8 Continuous length

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- | | |
|-----------|---|
| c) 328 FT | 12 x 4.5 x 3.5 Continuous length |
| d) 164 FT | 10 x 4 x 3.5 Continuous length |
| | <i>[Spool dimensions may vary slightly]</i> |

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