ALPHA WIRE CUSTOMER PRODUCT SPECIFICATION

Part Number: B963023 Issue:

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Diameters (mm) A. Construction

Component 1 2 X 1 PAIR

Conductor 24 (7/32) AWG TC 0.61 0.25 Wall, Nom. PVC, Semi Rigid Insulation 1.12

(1) Color Code Alpha Wire Color Code B

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

c) Pair 2/Cond Cabled Together (1) Twists: 31.5 Twists/meter (min) Cable Assembly 2 Components Cabled a) Twists: 26.2 Twists/meter (min)

Clear Mylar Tape, 25% Overlap, Min. b) Core Wrap TC BRAID Shield,85% Coverage, Min. Shield

a) Drain Wire 24 (7/32) AWG TC

Jacket 0.81 Wall, Nom., PVC 5.92 (6.25 Max.)

Color(s) **GREY** a)

b) Ripcord 1 End 810 Denier Nylon ALPHA WIRE-* P/N B963023 C) Print

> 0.23MM2 (24AWG) (UL) TYPE CM 105C OR AWM 2464 VW-1 **ROHS** CE (SEQ METERS)

* = Factory Code

B. Applicable Specifications

UL

105°C / 300 V_{RMS} Component 1 AWM/STYLE 10002 a) 80°C / 300 V_{RMS} b) Overall AWM/STYLE 2464 105°C CM

VW-1

2) **IEC** EN 60332-1 Flame Behavior EN 60332-2 Flame Behavior

LVD 73/23/EEC Amendment 93/68/EEC 3) CE:

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.

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 Bend Radius 2) 10X Cable Diameter **Pull Tension** 22.2 Lbs, Maximum

Sunlight Resistance 4) Yes

E. Electrical Properties (For Engineering purposes only)

1) Voltage Rating 300 V_{RMS}

2) Mutual Capacitance 91.84 pf/m @1 kHz, Nominal 3) **Ground Capacitance** 164 pf/m @1 kHz, Nominal

4) Characteristic Impedance 64 Ω

5) Inductance 0.6232 uH/m. Nominal Conductor DCR 85.28 Ω/Km @20°C, Nominal

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7) OA Shield DCR

12.464 Ω/Km @20°C, Nominal

F. Other

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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