

ALPHA WIRE

CUSTOMER PRODUCT SPECIFICATION

Part Number: B953043
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Issue: 2
Issue Date: 1/4/2013
Effective Date: 1/18/2013

A. Construction

1)	Component 1	4 X 1 COND	
a)	Conductor	24 (7/32) AWG TC	0.61
b)	Insulation	0.25 Wall, Nom. PVC, Semi Rigid	1.12
	(1) Color Code	Alpha Wire Color Code E	

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

2)	Cable Assembly	4 Components Cabled	
	a) Twists:	31.5 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	4.98 (5.25 Max.)
	a) Color(s)	GREY	
	b) Ripcord	1 End 810 Denier Nylon	
	c) Print	ALPHA WIRE-* P/N B953043	

0.23MM2 (24AWG) (UL) TYPE CM 105C OR AWM 2464
VW-1 --- LLXXXXXX CSA 105C TYPE CMG FT4 CE
ROHS (SEQ METERS)
* = Factory Code
[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]

B. Applicable Specifications

1) UL	Component 1	AWM/STYLE 10002	105°C / 300 V _{RMS}
	Overall	AWM/STYLE 2464	80°C / 300 V _{RMS}
		CM	105°C
		VW-1	
2) CSA International		CMG	105°C
		FT4	
3) IEC		EN 60332-1 Flame Behavior	
		EN 60332-2 Flame Behavior	
4) CE:		EU Low Voltage Directive 2006/95/EC	

c. Environmental Compliance

1) CE: EU Directive 2011/65/EU(RoHS2):
This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011. No Exemptions are required for RoHS Compliance on this item. Consult Alpha Wire's web site for [RoHS C of C](#).

2) REACH Regulation (EC 1907/2006):
This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item. For

Re: B10-101-2004-00014-B 11

Physical & Mechanical Properties	
1) Temperature Range	-30 to 105°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	20.9 Lbs, Maximum
4) Sunlight Resistance	Yes

E. Electrical Properties

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 μ H/m Nominal

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5) Conductor DCR 85.28 Ω/Km @20°C, Nominal
6) OA Shield DCR 16.728 Ω/Km @20°C, Nominal

F. Other

1) Packaging Flange x Traverse x Barrel (inches)
a) 3280 FT 18 x 12 x 8 Continuous length
b) 1640 FT 12 x 12 x 3.5 Continuous length
c) 328 FT 12 x 4.5 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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