

ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: B953033
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Issue: 2
Issue Date: 1/4/2013
Effective Date: 1/18/2013

A. Construction

					<u>Diameters (mm)</u>
1)	Component 1	3 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	
			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 --- 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	AWM/STYLE 10002	105°C / 300 V _{RMS}
	a)	Component 1	80°C / 300 V _{RMS}
	b)	Overall	CM
		CM	105°C
2)	VW-1	CMG	105°C
3)	IEC	FT4	
4)	CE:	EN 60332-1 Flame Behavior	
		EN 60332-2 Flame Behavior	
		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 up-to-date information, please see Alpha's REACH SVHC Declaration .

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

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

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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)
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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