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ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: B953063		**Issue:**	**1**
Page 1 of 2 Pages		**Issue Date:**	**8/23/2010**
		Effective Date:	**10/18/2010**

A. Construction — **Diameters (mm)**

1)	Component 1	6 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	5	YELLOW
2	BROWN	4	ORANGE	6	GREEN

2)	Cable Assembly	6 Components Cabled	
a)	Twists:	26.2 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	5.64 (5.95 Max.)
a)	Color(s)	GREY	
b)	Ripcord	1 End 810 Denier Nylon	
c)	Print	ALPHA WIRE-* P/N B953063	
		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	29 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	15.088 Ω/Km @20°C, Nominal

F. Other

1)	Packaging	Flange x Traverse x Barrel (inches)

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a)	3280 FT	20 x 11 x 8 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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