ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6824		**Issue:**	**1**
Page 1 of 1 Pages		**Issue Date:**	**5/27/2011**
		Effective Date:	**5/27/2011**

A. Construction — **Diameters (In)**

1) Component 1		1 X 1 HOOKUP	
a) Conductor		20 (7/28) AWG BC	0.038
b) Insulation		0.008" Wall, Nom. Modified Polyphenylene Ether	0.054+/- 0.002
	(1) Print	ALPHA WIRE ECOWIRE TM P/N 6824 20AWG (0.50MM2) 110C 300V ROHS CE	
	(2) Color(s)	WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN ORANGE, GREEN/YELLOW	

B. Applicable Specifications

1) Other	Halogen-Free Suitable for ISO 6722 60 V_{RMS}
2) 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	-40 to 110°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	8.7 Lbs, Maximum

E. Electrical Properties (For Engineering purposes only)

1) Voltage Rating	300 V_{RMS}
2) Inductance	0.04 µH/ft, Nominal
3) Conductor DCR	9.5 Ω/1000ft @20°C, Nominal

F. Other

1) Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	9 x 4.5 x 3.5 Continuous length
b) 100 FT	3.75 x 2 x 1.75 Continuous length
c) Bulk(Made-to-order)	

[Spool dimensions may vary slightly]

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