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Customer Specification

PART NO. 6827

Construction

		Diameters (In)
1) Component 1	1 X 1 HOOKUP	
a) Conductor	16 (19/29) AWG BC	0.056
b) Insulation	0.010" Wall, Nom. Modified Polyphenylene Ether	0.076+/- 0.002
(1) Print	ALPHA WIRE ECOWIRE TM P/N 6827 16AWG 110C 300V ROHS CE	
(2) Color(s)	WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN ORANGE, GREEN/YELLOW	

Applicable Specifications

1) Other	Halogen-Free	
	Suitable for ISO 6722	60 V _{RMS}
2) CE:	EU Low Voltage Directive 2006/95/EC	

Environmental

1) EU Directive 2011/65/EU(RoHS2):	
	All materials used in the manufacture of this part are in compliance with European Directive 2011/65/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. 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.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-40 to 110°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	19.1 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	300 V _{RMS}
2) Inductance	0.03 µH/ft, Nominal
3) Conductor DCR	4.4 Ω/1000ft @20°C, Nominal

Other

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)	
	<i>[Spool dimensions may vary slightly]</i>
Notes:	
a) Certain colors and put-up combinations may only be available by special order, minimums may apply.	

www.alphawire.com

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