

**ALPHA WIRE**  
**CUSTOMER PRODUCT SPECIFICATION**

**Part Number: 6821**  
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**Issue: 1**  
**Issue Date: 5/27/2011**  
**Effective Date: 5/27/2011**

<b>A. Construction</b>	<b>Diameters (In)</b>
1) Component 1	1 X 1 HOOKUP
a) Conductor	26 (7/34) AWG BC
b) Insulation	0.008" Wall, Nom. Modified Polyphenylene Ether
(1) Color(s)	0.035+/- 0.002
	WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN
	ORANGE, GREEN/YELLOW
<b>B. Applicable Specifications</b>	
1) Other	Halogen-Free
	Suitable for ISO 6722                      60 V <sub>RMS</sub>
2) CE:	LVD 73/23/EEC Amendment 93/68/EEC
<b>C. Environmental Compliance</b>	
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.
<b>D. Physical &amp; Mechanical Properties</b>	
1) Temperature Range	-40 to 110°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	2.18 Lbs, Maximum
<b>E. Electrical Properties</b>	
	(For Engineering purposes only)
1) Voltage Rating	300 V <sub>RMS</sub>
2) Inductance	0.05 µH/ft, Nominal
3) Conductor DCR	38 Ω/1000ft @20°C, Nominal
<b>F. Other</b>	
1) Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	6.5 x 3 x 3.25 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>

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