

## Customer Specification

### PART NO. 461019

### Construction

	Diameters (In)	
1) Component 1	1 X 1 HOOKUP	
a) Conductor	10 (19/.0234) AWG Bare Copper	0.117
b) Insulation	0.032" Wall, Nom. PVC	0.181+/- 0.004
(1) Print	ALPHA WIRE-* 10 AWG E163872-* (UL) MTW OR TW OR AWM 1015/1230 105C 600V VW-1 OR C(RU) AWM I A/B 105C 600V FT1 OR TEW 105C 600V FT1 CE ROHS * = Factory Code	
(2) Color(s)	WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN ORANGE, SLATE, VIOLET	

### Applicable Specifications

1) UL	AWM/STYLE 1015	105°C / 600 V <sub>RMS</sub>
	AWM/STYLE 1230	105°C Dry / 60°C Wet / 600 V <sub>RMS</sub>
	MTW	90°C Dry / 60°C Wet / 600 V <sub>RMS</sub>
	VW-1	
	TW	60°C Dry / 60°C Wet / 600 V <sub>RMS</sub>
2) CSA International	AWM I A/B	80°C / 300 V <sub>RMS</sub>
	FT1	
	TEW-105	105°C / 600 V <sub>RMS</sub>

### Environmental

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1) EU Directive 2011/65/EU(RoHS2), EU Directive 2015/863/EU (RoHS3):	
	All materials used in the manufacture of this part are in compliance with European Directive 2011/65/EU and the amending Directive 2015/863/EU of 4 June 2015 regarding the restriction of use of certain hazardous substances in electrical and electronic equipment.
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.

## Properties

Physical & Mechanical Properties	
1) Temperature Range	-40 to 105°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	82 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	600 V <sub>RMS</sub>
2) Inductance	0.04 μH/ft, Nominal
3) Conductor DCR	1.02 Ω/1000ft @20°C, Nominal

## Other

Packaging	Flange x Traverse x Barrel (inches)
a) 5000 FT	18 x 14.25 x 8 Continuous length
b) 1000 FT	12 x 5.94 x 5 Continuous length
c) 500 FT	10.5 x 5 x 3.5 Continuous length
d) 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.	

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