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□□□ **3051**

## Construction

	Diameters (In)	
1) Component 1	1 X 1 HOOKUP	
a) Conductor	22 (7/30) AWG Tinned Copper	0.030
b) Insulation	0.016" Wall, Nom. PVC	0.062+/- 0.002
(1) Print	ALPHA WIRE E163869-* RU AWM STYLES 1569 105C OR 1007 80C 300V VW-1 IEC 60332-2 22 AWG OR CRU TR-64 90C FT1 CE ROHS {0} * = Factory Code	
(2) Color(s)	WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN ORANGE, SLATE, VIOLET, WHITE/BLACK, WHITE/RED WHITE/GREEN, WHITE/YELLOW, WHITE/BLUE WHITE/BROWN, WHITE/ORANGE, WHITE/SLATE WHITE/VIOLET, GREEN/YELLOW, YELLOW/GREEN, PINK	

## Applicable Specifications

1) UL	AWM/STYLE 1007	80°C / 300 V <sub>RMS</sub>
	AWM/STYLE 1569	105°C / 300 V <sub>RMS</sub>
	VW-1	
2) CSA International	TR-64	90°C
	FT1	
3) IEC	EN 60332-2 Flame Behavior	
4) CE:	EU Low Voltage Directive 2014/35/EU	

## 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.
3) California Proposition 65:	This product may contain substances known to the State of California to cause Cancer or Reproductive Harm, but is exempt from labeling based on the Consent Judgement. See the Alpha Wire website for more information.

## Properties

Physical & Mechanical Properties	
1) Temperature Range	-40 to 105°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	5.5 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	300 V <sub>RMS</sub>
2) Inductance	0.06 µH/ft, Nominal
3) Conductor DCR	16.2 Ω/1000ft @20°C, Nominal

## Other

Packaging	Flange x Traverse x Barrel (inches)
a) 5000 FT	10.5 x 5 x 3.5 Continuous length
b) 1000 FT	6.5 x 4 x 2.5 Continuous length
c) 100 FT	2.75 x 2 x 1.125 Continuous length
	<i>[Spool dimensions may vary slightly]</i>
Notes:	
a) Certain color and put-up combinations may only be available by special order. Minimums may apply.	





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