

## Customer Specification

**PART NO. 5859/10**

## Construction

	Diameters (In)	
1) Component 1	1 X 1 HOOKUP	
a) Conductor	10 (37/26) AWG Silver Plated Copper	0.111
b) Insulation	0.012" Wall, Nom. PTFE	0.134+/- 0.007
(1) Color(s)	WHITE, BLACK	

## Applicable Specifications

1) UL	VW-1	
2) Military	MIL-W-16878/4 (Type E)	200°C / 600 V <sub>RMS</sub>
3) Other	NEMA HP3-EXBMG	

## Environmental

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	-60 to 200°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	74 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	600 V <sub>RMS</sub>
2) Inductance	0.03 µH/ft, Nominal
3) Conductor DCR	1.13 Ω/1000ft @20°C, Nominal

# Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	10.5 x 5 x 3.5 Max. 3 separate pieces; Min length/piece 100 FT.
b) 500 FT	6.5 x 6 x 1.9 Max. 2 separate pieces; Min length/piece 100 FT.
c) 100 FT	6.5 x 2 x 1.9 Continuous length
	<i>[Spool dimensions may vary slightly]</i>
Notes:	
a) Black in all put-ups and 500 ft put-ups by special order only	

[www.alphawire.com](http://www.alphawire.com)

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☐ Alpha ☒ 2011/65/EU ☐ RoHS2 ☐ 2015/863/EU  
RoHS ☐ SJ/T 11364-2014

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Lead

Mercury

Cadmium

## Hexavalent Chromium

### Polybrominated Biphenyls (PBB)

### Polybrominated Diphenyl Ethers (PBDE),

Including Deca-BDE

Bis(2-ethylhexyl) phthalate (DEHP)

Butyl benzyl phthalate (BBP)

Dibutyl phthalate (DBP)

Diisobutyl phthalate (DIBP)

55

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0.01% (100 ppm)

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