

## Customer Specification

**PART NO. 275001802**

## Construction

						Diameters (In)	
1) Component 1						2 X 1 COND	
a) Conductor						18 (19/30) AWG Tinned Copper	0.048
b) Insulation						0.010" Wall, Nom. ETFE	0.068
(1) Color(s)							
Cond	Color	Cond	Color	Cond	Color		
1	WHITE	2	WHITE / BLUE				
2) Cable Assembly						2 Components Cabled	
a) Twists:						6.0 Twists/foot (min)	
b) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER	
3) Shield						Tinned Copper BRAID Shield,85% Coverage, Min.	
4) Jacket						0.010" Wall, Nom.,ETFE	0.178 (0.186 Max.)
a) Color(s)						WHITE	

## Applicable Specifications

1) Other		
a) Component 1	SAE-AS22759/16	
b) Overall	NEMA WC 27500 TYPE TE	150°C
2) CE:	EU Low Voltage Directive 2014/35/EU	

## Environmental

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1) CE: EU Directive 2011/65/EU(RoHS2), EU Directive 2015/863/EU (RoHS3):	
	This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011 and the amending Directive 2015/863/EU of 4 June 2015 . No Exemptions are required for RoHS Compliance on this item.
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	-55 to 150°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	33 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	600 V <sub>RMS</sub>
2) Capacitance	39 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	70 pF/ft @1 kHz, Nominal
4) Characteristic Impedance	42 Ω
5) Inductance	0.16 μH/ft, Nominal
6) Conductor DCR	5.9 Ω/1000ft @20°C, Nominal
7) OA Shield DCR	7.1 Ω/1000ft @20°C, Nominal

## Other

Packaging	Flange x Traverse x Barrel (inches)
a) 100 FT	6.5 x 2 x 1.9 Continuous length
b) Bulk(Made-to-order)	
	<i>[Spool dimensions may vary slightly]</i>

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

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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)

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