

## Customer Specification

**PART NO. 275001801**

## Construction

						Diameters (In)	
1) Component 1						1 X 1 COND	
a) Conductor						18 (19/30) AWG Tinned Copper	0.050
b) Insulation						0.010" Wall, Nom. ETFE	0.070
(1) Color(s)							
Cond	Color	Cond	Color	Cond	Color		
1	WHITE						
2) Shield						Tinned Copper BRAID Shield,85% Coverage, Min.	
3) Jacket						0.010" Wall, Nom.,ETFE	0.112 (0.117 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

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	18.2 Lbs, Maximum
Electrical Properties (For Engineering purposes only)	
1) Voltage Rating	600 V <sub>RMS</sub>
2) Ground Capacitance	107 pF/ft @1 kHz, Nominal
3) Inductance	0.021 µH/ft, Nominal
4) Conductor DCR	5.9 Ω/1000ft @20°C, Nominal
5) OA Shield DCR	6 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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