

## Customer Specification

### PART NO. M13582

### Construction

						Diameters (In)		
1) Component 1						2 X 1 COND		
a) Conductor						14 (19/.0147) AWG Tinned Copper		0.071
b) Insulation						0.032" Wall, Nom. PVC		0.135
(1) Color(s)								
Cond	Color	Cond	Color	Cond	Color			
1	BLACK	2	WHITE					
2) Cable Assembly						2 Components Cabled		
a) Twists:						3.0 Twists/foot (min)		
b) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER		
3) Jacket						0.035" Wall, Nom.,PVC		0.340 (0.355 Max.)
a) Color(s)						SLATE		
b) Print						ALPHA WIRE-* P/N M13582 2C 14 AWG EXXXXXX 75C (UL) TYPE CL2 OR AWM STYLE 2463 CE ROHS * = Factory Code		

### Applicable Specifications

1) UL	CL2	75°C / 150 V <sub>RMS</sub>
	AWM/STYLE 2463	80°C / 600 V <sub>RMS</sub>
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	-20 to 80°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	64 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	300 V <sub>RMS</sub>
2) Capacitance	31 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Characteristic Impedance	72 Ω
4) Inductance	0.19 μH/ft, Nominal
5) Conductor DCR	2.8 Ω/1000ft @20°C, Nominal

## Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	18 x 14.25 x 8 Continuous length
b) 500 FT	13.5 x 10 x 4 Continuous length
c) 100 FT	12 x 5.94 x 5 Continuous length
d) Bulk(Made-to-order)	
	<i>[Spool dimensions may vary slightly]</i>

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

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