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## Construction

						Diameter ("in")	
1) Component 1						1 x 1 PAIR	
a) Conductor						14 (19/.0147) AWG Tinned Copper	0.071
b) Insulation						0.032" Wall, Nom. FRPE	0.135
(1) Color(s)							
Pair	Color	Pair	Color	Pair	Color		
1	BLACK-WHITE						
c) Cabling						2 COND Cabled	
(1) Twists						3.0 Twists/foot (min.)	
(2) Orientation						Components to be arranged from INSIDE LAYER-to-OUTSIDE LAYER	
2) Shield						Alum/Mylar Tape, 25% Overlap (min.)	
a) Foil Direction						Foil Facing Out	
b) Drain Wire						16 (26/30) AWG Tinned Copper	
3) Jacket						0.035" Wall, Nom. PVC	0.344 (0.359 max.)
a) Color(s)						SLATE	
b) Print						ALPHA WIRE-* P/N 2472 RU AWM 2106 60C 600V VW-1 CE ROHS * = Factory Code	

## Applicable Specifications

1) UL	AWM/STYLE 2106	60°C / 600 V <sub>RMS</sub>
	VW-1	
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 detail.

## Properties

Physical & Mechanical Properties	
1) Temperature Range	-20 to 60°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	85 lbs. (max.)
Electrical Properties	
	<i>For Engineering purposes only</i>
1) Voltage Rating	600 V <sub>RMS</sub>
2) Mutual Capacitance	26 pF/ft @1 kHz, Nominal
3) Ground Capacitance	47 pF/ft @1 kHz, Nominal
4) Characteristic Impedance	63 $\omega$
5) Inductance	0.19 $\mu$ H/ft, Nominal
6) Conductor DCR	2.7 $\omega$ /1000ft @20°C, Nominal
7) OA Shield DCR	4.3 $\omega$ /1000ft @20°C, Nominal

## Other

Packaging	Flange x Traverse x Barrel (inches)
a) 2000 FT	24 x 14 x 12 Continuous Length
b) 1000 FT	18 x 14.25 x 8 Continuous Length
c) 500 FT	13.5 x 10 x 4 Continuous Length
d) 100 FT	12 x 5.94 x 5 Continuous Length
	<i>Spool dimensions may vary slightly.</i>

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

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