

## **Customer Specification**

**PART NO. M13127**

### **Construction**

						Diameters (In)	
1) Component 1						27 X 1 PAIR	
a) Conductor						22 (7/30) AWG Tinned Copper	
b) Insulation						0.010" Wall, Nom. Polypropylene(PP)	
(1) Color Code						Alpha Wire Color Code K	
Pair	Color	Pair	Color	Pair	Color		
1	BLACK-RED	10	RED-BLUE	19	WHITE-BLUE		
2	BLACK-WHITE	11	RED-YELLOW	20	WHITE-YELLOW		
3	BLACK-GREEN	12	RED-BROWN	21	WHITE-BROWN		
4	BLACK-BLUE	13	RED-ORANGE	22	WHITE-ORANGE		
5	BLACK-YELLOW	14	GREEN-WHITE	23	BLUE-YELLOW		
6	BLACK-BROWN	15	GREEN-BLUE	24	BLUE-BROWN		
7	BLACK-ORANGE	16	GREEN-YELLOW	25	BLUE-ORANGE		
8	RED-WHITE	17	GREEN-BROWN	26	BROWN-YELLOW		
9	RED-GREEN	18	GREEN-ORANGE	27	BROWN-ORANGE		
c) Pair						2/Cond Cabled Together	
(1) Twists:						8.0 Twists/foot (min)	
Individually Applied:							
d) Shield:						Foil Free Alum/Mylar Tape, 25% Overlap, Min.	
(1) Foil Direction						Foil Facing In	
(2) Drain Wire						22 (7/30) AWG Tinned Copper	
2) Cable Assembly						27 Components Cabled	
a) Twists:						1.4 Twists/foot (min)	
b) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER	
c) Core Wrap						Clear Mylar Tape, 25% Overlap, Min.	
3) Jacket						0.050" Wall, Nom.,PVC	
a) Color(s)						SLATE	
b) Print						ALPHA WIRE-* P/N M13127 27PR 22 AWG EXXXXXX 75C SHIELDED CM (UL) C(UL) OR AWM STYLE 2919 LOW VOLTAGE COMPUTER CABLE CE ROHS * = Factory Code <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i>	

## Applicable Specifications

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1) UL	AWM/STYLE 2919	75°C / 30 V <sub>RMS</sub>
	CM	75°C
2) CSA International	C(UL) TYPE CM	75°C
3) 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

<b>Physical &amp; Mechanical Properties</b>	
1) Temperature Range	-20 to 75°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	445 Lbs, Maximum
<b>Electrical Properties</b>	
(For Engineering purposes only)	
1) Voltage Rating	300 V <sub>RMS</sub>
2) Mutual Capacitance	25 pF/ft @1 kHz, Nominal
3) Ground Capacitance	45 pF/ft @1 kHz, Nominal
4) Characteristic Impedance	61 Ω
5) Inductance	0.18 μH/ft, Nominal
6) Conductor DCR	16.6 Ω/1000ft @20°C, Nominal
7) Component Shield DCR	14.4 Ω/1000ft @20°C, Nominal

## Other

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<b>Packaging</b>	<b>Flange x Traverse x Barrel (inches)</b>
a) 1000 FT	30 x 14 x 12 Continuous length
b) 500 FT	20 x 11 x 8 Continuous length
c) 100 FT	18 x 9 x 8 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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# EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: M13127

M13127, RoHS-Compliant Commencing With 01/07/2005 Production

Note: all colors and put-ups

This document certifies that the Alpha part number cited above is manufactured in accordance with Directive 2011/65/EU of the European Union (RoHS 2), with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. This document also certifies compliance with the list of restricted substances to 10 items (commonly known as RoHS 3). The reader is referred to these Directives for the specific definitions of the restricted substances. **Compliance on this item.** Additionally, Alpha certifies that the listed part number is in compliance with China RoHS "Marking for Control"

## Substance

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)

## Maximum Control Value

0.1% by weight (1000 ppm)  
0.1% by weight (1000 ppm)  
0.01% by weight (100 ppm)  
0.1% by weight (1000 ppm)  
0.1% by weight (1000 ppm)  
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The information provided in this document and disclosure is correct to the best of Alpha Wire's knowledge, information and belief at the date of this document. This document is intended to provide guidance for the safe handling, storage, and any other operation of the product itself or the one that it will become part of. The intent of this document is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulatory information. Alpha Wire is an Authorized Signatory for the Alpha Wire:

Dave Watson, Director of Engineering & QA 31/03/2025

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