

Customer Specification

PART NO. 881806

Construction

						Diameter ("in")	
1) Component 1						6 x 1 COND	
a) Conductor						18 (16/30) AWG Tinned Copper	
b) Insulation						0.016" Wall, Nom. PVC	
(1) Color Code						Alpha Wire Color Code R	
Cond	Color	Cond	Color	Cond	Color		
1	BLACK	3	GREEN	5	BROWN		
2	RED	4	WHITE	6	BLUE		
2) Cable Assembly						6 Components Cabled	
a) Twists						3.4 Twists/foot (min.)	
b) Orientation						Components to be arranged from INSIDE LAYER-to-OUTSIDE LAYER	
3) Jacket						0.032" Wall, Nom. PVC	
a) Color(s)						SLATE	
b) Print						ALPHA WIRE-* P/N 881806 6C 18 AWG (UL) TYPE CL2 90C OR AWM 2464 80C 300V C(RU) AWM II A/B 90C 300V FT4 CE ROHS * = Factory Code	

Applicable Specifications

1) UL	AWM/STYLE 2464	80°C / 300 V _{RMS}
	CL2	90°C
2) CSA International	C(RU) AWM II A/B	90°C / 300 V _{RMS}
	FT4	
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.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-20 to 90°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	75 lbs. (max.)
Electrical Properties	
<i>For Engineering purposes only</i>	
1) Voltage Rating	300 V _{RMS}
2) Capacitance	34 pF/ft @1 kHz, Nominal Conductor-to-Conductor
3) Inductance	0.18 μH/ft, Nominal
4) Conductor DCR	7 ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	18 x 9 x 8 Continuous Length
b) 500 FT	12 x 10.5 x 5 Continuous Length
c) 100 FT	10.5 x 5 x 3.5 Continuous Length
d) Bulk (made-to-order)	
	<i>Spool dimensions may vary slightly.</i>

www.alphawire.com

Alpha Wire
2200 US Highway 27 South
Richmond, IN 47374

Tel: 1-800-52 ALPHA

Although Alpha Wire ("Alpha") makes every reasonable effort to ensure there accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.

Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha had been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

ALPHA WIRE - CONFIDENTIAL AND PROPRIETARY Notice to persons receiving this document and/or technical information. This document is confidential and is the exclusive property of ALPHA WIRE, and is merely on loan and subject to recall by ALPHA WIRE at any time. By taking possession of this document, the recipient acknowledges and agrees that this document cannot be used in any manner adverse to the interests of ALPHA WIRE, and that no portion of this document may be copied or otherwise reproduced without the prior written consent of ALPHA WIRE. In the case of conflicting contractual provisions, this notice shall govern the status of this document.

©2019 ALPHA WIRE - all rights reserved.

