

Customer Specification

PART NO. 881805

Construction

						Diameter ("in")	
1) Component 1						5 x 1 COND	
a) Conductor						18 (16/30) AWG Tinned Copper	0.047
b) Insulation						0.016" Wall, Nom. PVC	0.079
(1) Color Code						Alpha Wire Color Code R	
Cond	Color	Cond	Color	Cond	Color		
1	BLACK	3	GREEN	5	BROWN		
2	RED	4	WHITE				
2) Cable Assembly						5 Components Cabled	
a) Twists						4.0 Twists/foot (min.)	
b) Orientation						Components to be arranged from INSIDE LAYER-to-OUTSIDE LAYER	
3) Jacket						0.032" Wall, Nom. PVC	0.278 (0.290 max.)
a) Color(s)						SLATE	
b) Print						ALPHA WIRE-* P/N 881805 5C 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	63 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	13.5 x 10 x 4 Continuous Length
b) 500 FT	12 x 10.5 x 5 Continuous Length
c) 250 FT	10.5 x 5 x 3.5 Continuous Length
d) 100 FT	10.5 x 5 x 3.5 Continuous Length
e) Bulk (made-to-order)	
	<i>Spool dimensions may vary slightly.</i>

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