

## Customer Specification

### PART NO. 882008

### Construction

						Diameter ("in")	
1) Component 1						8 x 1 COND	
a) Conductor						20 (10/30) 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	4	WHITE	7	ORANGE		
2	RED	5	BROWN	8	YELLOW		
3	GREEN	6	BLUE				
2) Cable Assembly						8 Components Cabled	
a) Twists						3.7 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 882008 8C 20 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 <sub>RMS</sub>
	CL2	90°C
2) CSA International	C(RU) AWM II A/B	90°C / 300 V <sub>RMS</sub>
	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 <sub>RMS</sub>
2) Capacitance	31 pF/ft @1 kHz, Nominal Conductor-to-Conductor
3) Inductance	0.19 μH/ft, Nominal
4) Conductor DCR	11.5 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](http://www.alphawire.com)

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