

Customer Specification

PART NO. M1122

Construction

						Diameters (In)		
1) Component 1						2 X 1 COND		
a) Conductor						20 (26/34) AWG Tinned Copper		0.038
b) Insulation						0.016" Wall, Nom. Polyethylene(PE)		0.070
(1) Color Code						Alpha Wire Color Code H		
Cond	Color	Cond	Color	Cond	Color			
1	BLACK	2	WHITE					
2) Cable Assembly						2 Components Cabled		
a) Twists:						6.0 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) Shield						Tinned Copper BRAID Shield,90% Coverage, Min.		
4) Jacket						0.032" Wall, Nom.,PVC		0.229 (0.239 Max.)
a) Color(s)						SLATE		
b) Print						ALPHA WIRE-* P/N M1122 2C 20 AWG EXXXXXX (UL) TYPE CM 75C OR AWM 2092 CE ROHS * = Factory Code		

Applicable Specifications

1) UL	AWM/STYLE 2092	60°C / 300 V _{RMS}
	CM	75°C
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 information.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-20 to 75°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	20.2 Lbs, Maximum
Electrical Properties	
	(For Engineering purposes only)
1) Voltage Rating	300 V _{RMS}
2) Capacitance	23.9 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	43 pF/ft @1 kHz, Nominal
4) Characteristic Impedance	64 Ω
5) Inductance	0.19 μH/ft, Nominal
6) Conductor DCR	11.1 Ω/1000ft @20°C, Nominal
7) OA Shield DCR	5.7 Ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	12 x 10.5 x 5 Continuous length
b) 500 FT	12 x 5.94 x 5 Continuous length
c) 100 FT	6.5 x 4 x 2.5 Continuous length
d) Bulk(Made-to-order)	
	<i>[Spool dimensions may vary slightly]</i>

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