

Customer Specification

PART NO. M13415

Construction

						Diameters (In)		
1) Component 1						15 X 1 COND		
a) Conductor						20 (7/28) AWG Tinned Copper		0.038
b) Insulation						0.013" Wall, Nom. PVC		0.064
(1) Color Code						Alpha Wire Color Code F		
Cond	Color	Cond	Color	Cond	Color			
1	BLACK	6	BLUE	11	BLUE/BLAC			
2	WHITE	7	WHITE/BLA	12	BLACK/WH			
3	RED	8	RED/BLACK	13	RED/WHITI			
4	GREEN	9	GREEN/BLA	14	GREEN/WH			
5	ORANGE	10	ORANGE/B	15	BLUE/WHIT			
2) Cable Assembly						15 Components Cabled		
a) Twists:						2.8 Twists/foot (min)		
b) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER		
3) Jacket						0.040" Wall, Nom.,PVC		0.374 (0.391 Max.)
a) Color(s)						SLATE		
b) Print						ALPHA WIRE-* P/N M13415 15C 20 AWG EXXXXXX 75C CM (UL) C(UL) OR AWM STYLE 2464 CE ROHS * = Factory Code <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i>		

Applicable Specifications

1) UL	CM	75°C
	AWM/STYLE 2464	80°C / 300 V _{RMS}
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

Physical & Mechanical Properties	
1) Temperature Range	-20 to 80°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	131 Lbs, Maximum
Electrical Properties	
	(For Engineering purposes only)
1) Voltage Rating	300 V _{RMS}
2) Capacitance	33 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Inductance	0.18 μH/ft, Nominal
4) Conductor DCR	10.2 Ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	18 x 14.25 x 8 Continuous length
b) 500 FT	13.5 x 10 x 4 Continuous length
c) 100 FT	12 x 5.94 x 5 Continuous length
d) Bulk(Made-to-order)	
	<i>[Spool dimensions may vary slightly]</i>

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