

Customer Specification

PART NO. M1135

Construction

						Diameters (In)	
1) Component 1						15 X 1 COND	
a) Conductor						20 (26/34) AWG Tinned Copper	
b) Insulation						0.016" Wall, Nom. Polyethylene(PE)	
(1) Color Code						Alpha Wire Color Code H	
Cond	Color	Cond	Color	Cond	Color		
1	BLACK	6	BLUE	11	WHITE/BLACK		
2	WHITE	7	BROWN	12	WHITE/RED		
3	RED	8	ORANGE	13	WHITE/GREEN		
4	GREEN	9	SLATE	14	WHITE/YELLOW		
5	YELLOW	10	VIOLET	15	WHITE/BLUE		
2) Cable Assembly						15 Components Cabled	
a) Twists:						2.5 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						0.035" Wall, Nom.,PVC	
a) Color(s)						SLATE	
b) Print						ALPHA WIRE-* P/N M1135 15C 20 AWG TYPE CM (UL) 75C OR AWM 2094 CE ROHS * = Factory Code	
						0.417 (0.434 Max.)	

Applicable Specifications

1) UL	CM	75°C
	AWM/STYLE 2094	60°C / 300 V _{RMS}
2) 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 75°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	130 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	300 V _{RMS}
2) Capacitance	21.7 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	39 pF/ft @1 kHz, Nominal
4) Inductance	0.19 µH/ft, Nominal
5) Conductor DCR	11.2 Ω/1000ft @20°C, Nominal
6) OA Shield DCR	2.8 Ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	24 x 14 x 12 Continuous length
b) 500 FT	18 x 9 x 8 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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