

Customer Specification

PART NO. M3216

Construction

						Diameters (In)		
1) Component 1						2 X 1 COND		
a) Conductor						16 (19/.0117) AWG Tinned Copper		0.059
b) Insulation						0.016" Wall, Nom. PVC		0.091
(1) Color Code						Alpha Wire Color Code D		
Cond	Color	Cond	Color	Cond	Color			
1	BLACK	2	RED					
2) Cable Assembly						2 Components Cabled		
a) Twists:						4.8 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,85% Coverage, Nom.		
4) Jacket						0.020" Wall, Nom.,PVC		0.247 (0.257 Max.)
a) Color(s)						SLATE		
b) Print						ALPHA WIRE-* P/N M3216 2C 16 AWG EXXXXXX 75C SHIELDED CMG (UL) C(UL) OR AWM STYLE 2095 CE ROHS * = Factory Code <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i>		

Applicable Specifications

1) UL	AWM/STYLE 2095	80°C / 300 V _{RMS}
	CMG	75°C
2) CSA International	C(UL) TYPE CMG	75°C
	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.
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	46 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	300 V _{RMS}
2) Capacitance	66 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	119 pF/ft @1 kHz, Nominal
4) Characteristic Impedance	35 Ω
5) Inductance	0.17 μH/ft, Nominal
6) Conductor DCR	4.3 Ω/1000ft @20°C, Nominal
7) OA Shield DCR	4.6 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 5.94 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>

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