

Customer Specification

PartNo M2412

Construction

						Diameters (In)		
1) Component 1						15 X 1 COND		
a) Conductor						28 (7/36) AWG Tinned Copper		0.015
b) Insulation						0.010" Wall, Nom. PVC, Semi Rigid		0.035
(1) Color Code						Alpha Wire Color Code D		
Cond	Color	Cond	Color	Cond	Color			
1	BLACK	6	BLUE	11	PINK			
2	RED	7	BROWN	12	TAN			
3	WHITE	8	YELLOW	13	RED/GREEN			
4	GREEN	9	VIOLET	14	RED/YELLOW			
5	ORANGE	10	SLATE	15	RED/BLACK			
2) Cable Assembly						15 Components Cabled		
a) Twists:						5.3 Twists/foot (min)		
b) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER		
3) Shield:						Alum/Mylar Tape, 25% Overlap, Min.		
a) Foil Direction						Foil Facing Out		
b) Drain Wire						28 (7/36) AWG Tinned Copper		
c) Braid						Tinned Copper, 65% Coverage, Nom.		
4) Jacket						0.032" Wall, Nom., PVC		0.251 (0.267 Max.)
a) Color(s)						SLATE		
b) Ripcord						1 End 810 Denier Nylon		
c) Print						ALPHA WIRE-* P/N M2412 15C 28 AWG EXXXXXX SHIELDED 75C CMG (UL) C(UL) OR AWM 2464 CE ROHS * = Factory Code <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i>		

Applicable Specifications

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1) UL	AWM/STYLE 2464	80°C / 300 V _{RMS}
	CMG	75°C
2) CSA International	FT4	
	C(UL) TYPE CMG	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	25 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	300 V _{RMS}
2) Capacitance	24.6 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	44 pF/ft @1 kHz, Nominal
4) Inductance	0.22 μH/ft, Nominal
5) Conductor DCR	66 Ω/1000ft @20°C, Nominal
6) OA Shield DCR	5 Ω/1000ft @20°C, Nominal

Other

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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>

www.alphawire.com

Alpha Wire
2200 US Highway 27 South
Richmond, IN 47374

Tel: 1-800-52 ALPHA

SpecPDFFooter1

SpecPDFFooter2

SpecPDFFooterConfidential



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Richmond, IN 47374
Tel: 1-800-52 ALPHA
Web: www.alphawire.com