

Customer Specification

PART NO. 2432C

Construction

						Diameter ("in")	
1) Component 1						2 x 1 COND	
a) Conductor						16 (19/.0117) AWG Tinned Copper	0.059
b) Insulation						0.016" Wall, Nom. FRPE	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	
3) Shield						Alum/Mylar Tape, 25% Overlap (min.)	
a) Foil Direction						Foil Facing Out	
b) Drain Wire						18 (16/30) AWG Tinned Copper	
4) Jacket						0.020" Wall, Nom. PVC	0.226 (0.236 max.)
a) Color(s)						SLATE	
b) Print						ALPHA WIRE-* P/N 2432C 2C 16 AWG SHIELDED 75C (UL) TYPE CMG OR AWM 2092 ---- C(UL) CMG FT4 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 2092	60°C / 300 V _{RMS}
	CMG	75°C
	VW-1	
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) 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 detail.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-20 to 75°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	53 lbs. (max.)
Electrical Properties	
<i>For Engineering purposes only</i>	
1) Voltage Rating	300 V _{RMS}
2) Capacitance	35 pF/ft @1 kHz, Nominal Conductor-to-Conductor
3) Ground Capacitance	63 pF/ft @1 kHz, Nominal
4) Characteristic Impedance	48 ω
5) Inductance	0.17 μ H/ft, Nominal
6) Conductor DCR	4.3 ω /1000ft @20°C, Nominal
7) OA Shield DCR	6 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) BOX 1000FT	11-3/4 EASY REEL: Continuous Length
c) BOX 500FT	9-1/2 EASY REEL: Continuous Length
d) 500 FT	12 x 5.94 x 5 Continuous Length
e) 100 FT	6.5 x 4 x 2.5 Continuous Length
<i>Spool dimensions may vary slightly.</i>	

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