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## Construction

						Diameter ("in")	
1) Component 1						3 x 1 COND	
a) Conductor						18 (16/30) AWG Tinned Copper	0.047
b) Insulation						0.016" Wall, Nom. FRPE	0.079
(1) Color Code						Alpha Wire Color Code D	
Cond	Color	Cond	Color	Cond	Color		
1	BLACK	2	RED	3	WHITE		
2) Cable Assembly						3 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						20 (10/30) AWG Tinned Copper	
4) Jacket						0.020" Wall, Nom. PVC	0.214 (0.224 max.)
a) Color(s)						SLATE	
b) Print						ALPHA WIRE-* P/N 2423C 3C 18 AWG SHIELDED 75C (UL) TYPE CMG OR AWM 2093 ---- 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 2093	60°C / 300 V <sub>RMS</sub>
	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

<b>Physical &amp; Mechanical Properties</b>	
1) Temperature Range	-20 to 75°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	46 lbs. (max.)
<b>Electrical Properties</b>	
<i>For Engineering purposes only</i>	
1) Voltage Rating	300 V <sub>RMS</sub>
2) Capacitance	28 pF/ft @1 kHz, Nominal Conductor-to-Conductor
3) Ground Capacitance	50 pF/ft @1 kHz, Nominal
4) Inductance	0.18 μH/ft, Nominal
5) Conductor DCR	7 ω/1000ft @20°C, Nominal
6) OA Shield DCR	8.5 ω/1000ft @20°C, Nominal

## Other

<b>Packaging</b>	Flange x Traverse x Barrel (inches)
a) 2500 FT	18 x 14.25 x 8 Continuous Length
b) 1000 FT	12 x 10.5 x 5 Continuous Length
c) BOX 1000FT	11-3/4 EASY REEL: Continuous Length
d) BOX 500FT	9-1/2 EASY REEL: Continuous Length
e) 500 FT	12 x 5.94 x 5 Continuous Length
f) 328 FT	10.5 x 5 x 3.5 Continuous Length
g) 100 FT	6.5 x 4 x 2.5 Continuous Length
	<i>Spool dimensions may vary slightly.</i>
<b>Note</b>	
a) Certain put-up combinations available by special order only. Minimums may apply.	





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