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## Construction

						Diameters (In)		
1) Component 1						2 X 1 PAIR		
a) Conductor						24 (7/32) AWG Tinned Copper		0.024
b) Insulation						0.010" Wall, Nom. PVC, Semi Rigid		0.044
(1) Color Code						Alpha Wire Color Code K		
Pair	Color	Pair	Color	Pair	Color			
1	BLACK-RED	2	BLACK-WHITE					
c) Pair						2/Cond Cabled Together		
(1) Twists:						9.6 Twists/foot (min)		
2) Cable Assembly						2 Components Cabled		
a) Twists:						6.0 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:						Alum/Mylar Tape, 25% Overlap, Min.		
a) Foil Direction						Foil Facing In		
b) Drain Wire						24 (7/32) AWG Tinned Copper		
4) Jacket						0.032" Wall, Nom.,PVC		0.215 (0.228 Max.)
a) Color(s)						SLATE		
b) Ripcord						1 End 810 Denier Nylon		
c) Print						ALPHA WIRE-* P/N M13191 2PR 24 AWG EXXXXX (UL) TYPE CMG 75C OR AWM 2464 80C 300V OR C(UL) TYPE CMG FT4 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	CMG	75°C
	AWM/STYLE 2464	80°C / 300 V <sub>RMS</sub>
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.

## Properties

Physical & Mechanical Properties	
1) Temperature Range	-20 to 80°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	17.6 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	300 V <sub>RMS</sub>
2) Mutual Capacitance	27 pF/ft @1 kHz, Nominal
3) Ground Capacitance	49 pF/ft @1 kHz, Nominal
4) Characteristic Impedance	65 Ω
5) Inductance	0.19 μH/ft, Nominal
6) Conductor DCR	26 Ω/1000ft @20°C, Nominal
7) OA Shield DCR	15.9 Ω/1000ft @20°C, Nominal

## Other

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Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	12 x 10.5 x 5 Continuous length
b) 500 FT	12 x 5.94 x 5 Continuous length
c) 100 FT	6.5 x 4 x 2.5 Continuous length
d) Bulk(Made-to-order)	
	<i>[Spool dimensions may vary slightly]</i>

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