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Construction

						Diameters (In)	
1) Component 1					15 X 1 PAIR		
a) Conductor					24 (7/32) AWG Tinned Copper	0.024	
b) Ins	sulation					0.010" Wall, Nom. PVC, Semi Rigid	0.044
(1) Co	olor Code					Alpha Wire Color Code K	
Pair	Color	Pair	Color	Pair	Color		
1	BLACK-RED	6	BLACK- BROWN	11	RED- YELLOW		
2	BLACK- WHITE	7	BLACK- ORANGE	12	RED- BROWN		
3	BLACK- GREEN	8	RED-WHITE	13	RED- ORANGE		
4	BLACK- BLUE	9	RED-GREEN	14	GREEN- WHITE		
5	BLACK- YELLOW	10	RED-BLUE	15	GREEN- BLUE		
c) Pai	ir		•		•	2/Cond Cabled Together	
(1) Tv	wists:					9.6 Twists/foot (min)	
2) Cable Assembly			15 Components Cabled				
a) Twists:			2.5 Twists/foot (min)				
b) Orientation:					Components to be arranged from INSIDE LAYER to OUTSIDE LAYER		
c) Core Wrap					Clear Mylar Tape, 20% Overlap, Min.		
3) Shield:					Alum/Mylar Tape, 20% Overlap, Min.		
a) Foil Direction					Foil Facing In		
b) Drain Wire					24 (7/32) AWG Tinned Copper		
4) Jacket					0.032" Wall, Nom.,PVC	0.402 (0.425 Max.	
a) Co	lor(s)					SLATE	
b) Ripcord					1 End 810 Denier Nylon		
c) Print					ALPHA WIRE-* P/N M13200 15PR 24 AWG EXXXXXX SHIELDED 75C CMG (UL) C(UL) OR AWM 2464 CE ROHS * = Factory Code [Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]		

Applicable Specifications

1) UL	CMG	75°C	
	AWM/STYLE 2464	80°C / 300 V _{RMS}	
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	109 Lbs, Maximum	
Electrical Properties	(For Engineering purposes only)	
1) Voltage Rating	300 V _{RMS}	
2) Mutual Capacitance	22.5 pF/ft @1 kHz, Nominal	
3) Ground Capacitance	40 pF/ft @1 kHz, Nominal	
4) Characteristic Impedance	83 Ω	
5) Inductance	0.19 μH/ft, Nominal	
6) Conductor DCR	26 Ω/1000ft @20°C, Nominal	
7) OA Shield DCR	13.4 Ω/1000ft @20°C, Nominal	

Other

Packaging	Flange x Traverse x Barrel (inches)	Flange x Traverse x Barrel (inches)	
a) 1000 FT	20 x 11 x 8 Continuous length		
b) 500 FT	18 x 9 x 8 Continuous length		
c) 100 FT	12 x 5.94 x 5 Continuous length		
d) Bulk(Made-to-order)			
	[Spool dimensions may vary slightly]		
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www.alphawire.com

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□□□□□□□□0.1% (1000 ppm) Lead Mercury □□□□□□□□0.01% (100 ppm) Cadmium Hexavalent Chromium □□□□□□□□0.1% (1000 ppm) □□□□□□□□0.1% (1000 ppm) Polybrominated Biphenyls (PBB) Polybrominated Diphenyl Ethers (PBDE), Including Deca-BDE Bis(2-ethylhexyl) phthalate (DEHP) □□□□□□□□0.1% (1000 ppm) Butyl benzyl phthalate (BBP) Dibutyl phthalate (DBP) □□□□□□□□0.1% (1000 ppm) Diisobutyl phthalate (DIBP) □□□□□□□□0.1% (1000 ppm)

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