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## Construction

						Diameters (In)	
1) Component 1						6 X 1 PAIR	
a) Conductor						24 (7/32) AWG Tinned Copper	
b) Insulation						0.0185" Wall, Nom. Polypropylene, Foam	
(1) Color Code						Alpha Wire Color Code K	
Pair	Color	Pair	Color	Pair	Color		
1	BLACK-RED	3	BLACK-GREEN	5	BLACK-YELLOW		
2	BLACK-WHITE	4	BLACK-BLUE	6	BLACK-BROWN		
c) Pair						2/Cond Cabled Together	
(1) Twists:						6.9 Twists/foot (min)	
Individually Applied:							
d) Shield:						Foil Free Alum/Mylar Tape, 25% Overlap, Min.	
(1) Foil Direction						Foil Facing In	
(2) Drain Wire						24 (7/32) AWG Tinned Copper	
2) Cable Assembly						6 Components Cabled	
a) Twists:						2.4 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) Jacket						0.048" Wall, Nom.,PVC	
a) Color(s)						SLATE	
b) Ripcord						1 End 810 Denier Nylon	
c) Print						ALPHA WIRE-* P/N M39252 6PR 24 AWG EXXXXXX SHIELDED 75C CM (UL) C(UL) OR AWM 2493 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	CM	75°C
	AWM/STYLE 2493	60°C
2) CSA International	C(UL) TYPE CM	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) 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 75°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	63 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	300 V <sub>RMS</sub>
2) Characteristic Impedance	100 Ω
3) Mutual Capacitance	12.5 pF/ft @1 kHz, Nominal
4) Ground Capacitance	23 pF/ft @1 kHz, Nominal
5) Velocity of Propagation	78 %

## Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	24 x 14 x 12 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)	
	<i>[Spool dimensions may vary slightly]</i>





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