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## Construction

						Diameters (In)		
1) Component 1						25 X 1 COND		
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 F		
Cond	Color	Cond	Color	Cond	Color			
1	BLACK	10	ORANGE/BL	19	BLUE/RED			
2	WHITE	11	BLUE/BLAC	20	RED/GREE			
3	RED	12	BLACK/WHI	21	ORANGE/BL			
4	GREEN	13	RED/WHIT	22	BLACK/WHI			
5	ORANGE	14	GREEN/WI	23	WHITE/BL			
6	BLUE	15	BLUE/WHI	24	RED/BLAC			
7	WHITE/BL	16	BLACK/REI	25	GREEN/BL			
8	RED/BLAC	17	WHITE/REI					
9	GREEN/BL	18	ORANGE/BL					
2) Cable Assembly						25 Components Cabled		
a) Twists:						3.2 Twists/foot (min)		
b) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER		
3) Shield:						Alum/Mylar Tape, 20% Overlap, Min.		
a) Foil Direction						Foil Facing Out		
b) Drain Wire						24 (7/32) AWG Tinned Copper		
c) Braid						Tinned Copper, 65% Coverage, Nom.		
4) Jacket						0.032" Wall, Nom., PVC		0.354 (0.374 Max.)
a) Color(s)						SLATE		
b) Ripcord						1 End 810 Denier Nylon		
c) Print						ALPHA WIRE-* P/N M2449 25C 24 AWG EXXXXXX SHIELDED 75C CMG (UL) C(UL) OR AWM 2464 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 2464	80°C / 300 V <sub>RMS</sub>
	CMG	75°C
2) CSA International	FT4	
	C(UL) TYPE CMG	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) 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	97 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	300 V <sub>RMS</sub>
2) Capacitance	31 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	56 pF/ft @1 kHz, Nominal
4) Inductance	0.19 µH/ft, Nominal
5) Conductor DCR	26 Ω/1000ft @20°C, Nominal
6) OA Shield DCR	3 Ω/1000ft @20°C, Nominal

## Other

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