

Customer Specification

PART NO. M3427

Construction

						Diameters (In)		
1) Component 1						10 X 1 PAIR		
a) Conductor						24 (7/32) AWG Tinned Copper		0.024
b) Insulation						0.0125" Wall, Nom. Polyethylene, Foam		0.049
(1) Color Code						Alpha Wire Color Code M		
Pair	Color	Pair	Color	Pair	Color			
1	BLUE/WHITE - WHITE/BLUE	5	SLATE/WHITE - WHITE/SLATE	9	BROWN/RED - RED/BROWN			
2	ORANGE/WHITE - WHITE/ORANGE	6	BLUE/RED - RED/BLUE	10	SLATE/RED - RED/SLATE			
3	GREEN/WHITE - WHITE/GREEN	7	ORANGE/RED - RED/ORANGE					
4	BROWN/WHITE - WHITE/BROWN	8	GREEN/RED - RED/GREEN					
c) Pair						2/Cond Cabled Together		
(1) Twists:						9.6 Twists/foot (min)		
2) Cable Assembly						10 Components Cabled		
a) Twists:						2.5 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						24 (7/32) AWG Tinned Copper		
c) Braid						Tinned Copper, 65% Coverage, Min.		
4) Jacket						0.035" Wall, Nom., PVC		0.417 (0.438 Max.)
a) Color(s)						SLATE		
b) Ripcord						1 End 810 Denier Nylon		
c) Print						ALPHA WIRE-* P/N M3427 10PR 24 AWG EXXXXXX SHIELDED 75C CM (UL) C(UL) OR AWM 2919 LOW VOLTAGE COMPUTER CABLE 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 2919	80°C / 30 V _{RMS}
	CM	75°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) 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	80 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	300 V _{RMS}
2) Characteristic Impedance	100 Ω
3) Mutual Capacitance	12.5 pF/ft @1 kHz, Nominal
4) Ground Capacitance	22 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>
Notes:	
a) Stripe Type: Ring Band.	

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