

Customer Specification

PART NO. M1432

Construction

						Diameters (In)		
1) Component 1						2 X 1 COND		
a) Conductor						24 (19/36) AWG Tinned Copper		0.025
b) Insulation						0.010" Wall, Nom. PVC/ 0.003" Wall NYLON		0.051
(1) Color Code						Alpha Wire Color Code P		
Cond	Color	Cond	Color	Cond	Color			
1	WHITE	2	BLACK					
2) Cable Assembly						2 Components Cabled		
a) Twists:						8.0 Twists/foot (min)		
b) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER		
3) Shield						Tinned Copper BRAID Shield,90% Coverage, Min.		
4) Jacket						0.016" Wall, Nom.,PVC		0.156 (0.168 Max.)
a) Color(s)						WHITE		
b) Print						ALPHA WIRE-* P/N M1432 2C 24 AWG CE ROHS * = Factory Code		

Applicable Specifications

1) UL	VW-1	
2) Military		
a) Component 1	MIL-W-16878/Type B/N	105°C / 600 V _{RMS}
3) CE:	EU Low Voltage Directive 2014/35/EU	

Environmental

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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	-55 to 105°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	3.3 Lbs, Maximum
Electrical Properties	
	(For Engineering purposes only)
1) Voltage Rating	600 V _{RMS}
2) Capacitance	43 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	77 pF/ft @1 kHz, Nominal
4) Characteristic Impedance	51 Ω
5) Inductance	0.2 μH/ft, Nominal
6) OA Shield DCR	6.2 Ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	12 x 5.94 x 5 Continuous length
b) 500 FT	10.5 x 5 x 3.5 Continuous length
c) 100 FT	6.5 x 2 x 1.9 Continuous length
d) Bulk(Made-to-order)	
	<i>[Spool dimensions may vary slightly]</i>

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