

Customer Specification

Part No 78134

Construction

						Diameters (In)	
1) Component 1						4 X 1 COND	
a) Conductor						22 (19/34) AWG Tinned Copper	
b) Insulation						0.007" Wall, Nom. Modified Polyphenylene Ether-PE	
(1) Color Code						Alpha Wire Color Code E	
Cond	Color	Cond	Color	Cond	Color		
1	BLACK	3	RED				
2	BROWN	4	ORANGE				
2) Cable Assembly						4 Components Cabled	
a) Twists:						8.0 Twists/foot (min)	
b) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER	
c) Core Wrap						Nonwoven Polyester Tape, 25% Overlap, Min.	
3) Shield:						Alum/Mylar Tape, 25% Overlap, Min.	
a) Foil Direction						Foil Facing In	
b) Drain Wire						22 (7/30) AWG Tinned Copper	
4) Jacket						0.015" Wall, Nom., Modified Polyphenylene Ether-PE	
a) Color(s)						Slate, Orange, Black	
b) Ripcord						1 End 810 Denier Nylon	
c) Print						ALPHA WIRE-* P/N 78134 4C 22 AWG ECOCABLE(R) MINI RU AWM 21460 80C 300V VW-1 C(RU) AWM I A/B FT1 80C 300V CE ROHS (SEQ FOOTAGE) * = Factory Code	

Applicable Specifications

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1) UL	AWM/STYLE 21460	80°C / 300 V _{RMS}
	VW-1	
2) CSA International	C(RU) AWM I A/B FT1	80°C / 300 V _{RMS}
3) IEC	EN 60332-1-2: 2004 Flame Behavior	
4) Other	Halogen-Free	
	NFPA 79 - 2015 Compliant	
	CPR Euroclass: Eca	
5) 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.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-40 to 80°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	29 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	300 V _{RMS}
2) Capacitance	34 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	61 pF/ft @1 kHz, Nominal
4) Inductance	0.16 μH/ft, Nominal
5) Conductor DCR	15.2 Ω/1000ft @20°C, Nominal
6) OA Shield DCR	13.7 Ω/1000ft @20°C, Nominal

Other

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Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	10.5 x 5 x 3.5 Continuous length
b) 100 FT	6.5 x 2 x 1.9 Continuous length
c) Bulk(Made-to-order)	
	<i>[Spool dimensions may vary slightly]</i>
Notes:	
a) Black and Orange Jacket are Special Order, Minimums may apply.	

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SpecPDFFooter1

SpecPDFFooter2

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