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Construction

						Diameters (In)		
1) Component 1						15 X 1 COND		
a) Conductor						20 (19/32) AWG Tinned Copper		0.040
b) Insulation						0.007" Wall, Nom. Modified Polyphenylene Ether-PE		0.054
(1) Color Code						Alpha Wire Color Code D		
Cond	Color	Cond	Color	Cond	Color			
1	BLACK	6	BLUE	11	PINK			
2	RED	7	BROWN	12	TAN			
3	WHITE	8	YELLOW	13	RED/GREEN			
4	GREEN	9	VIOLET	14	RED/YELLOW			
5	ORANGE	10	SLATE	15	RED/BLACK			
2) Cable Assembly						15 Components Cabled		
a) Twists:						3.4 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:						A/P/A Tape, 25% Overlap, Min.		
a) Drain Wire						20 (7/28) AWG Tinned Copper		
b) Braid						Tinned Copper, 70% Coverage, Min.		
4) Jacket						0.015" Wall, Nom., Modified Polyphenylene Ether-PE		0.313 (0.327 Max.)
a) Color(s)						SLATE		
b) Ripcord						1 End 810 Denier Nylon		
c) Jacket Separator						Nonwoven Polyester Tape, 25% Overlap, Min.		
d) Print						ALPHA WIRE-* P/N 78355 15C 20 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) Other	Halogen-Free	
	NFPA 79 - 2015 Compliant	
4) 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	157 Lbs, Maximum
Electrical Properties	
	(For Engineering purposes only)
1) Voltage Rating	300 V _{RMS}
2) Capacitance	37 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	67 pF/ft @1 kHz, Nominal
4) Inductance	0.15 μH/ft, Nominal
5) Conductor DCR	9.5 Ω/1000ft @20°C, Nominal
6) OA Shield DCR	2.46 Ω/1000ft @20°C, Nominal

Other

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