

Customer Specification

PART NO. 78052

Construction

		Diameters (In)				
1) Component 1		2 X 1 PAIR				
a) Conductor		28 (19/40) AWG Tinned Copper				0.016
b) Insulation		0.007" Wall, Nom. Modified Polyphenylene Ether-PE				0.030
(1) Color Code		Alpha Wire Color Code B				
Pair	Color	Pair	Color	Pair	Color	
1	WHITE-BLACK	2	WHITE-BROWN			
c) Pair		2/Cond Cabled Together				
(1) Twists:		13.7 Twists/foot (min)				
2) Cable Assembly		2 Components Cabled				
a) Twists:		9.6 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) Jacket		0.015" Wall, Nom., Modified Polyphenylene Ether-PE				0.132 (0.142 Max.)
a) Color(s)		SLATE				
b) Ripcord		1 End 810 Denier Nylon				
c) Print		ALPHA WIRE-* P/N 78052 2PR 28 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

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	5.7 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	300 V _{RMS}
2) Mutual Capacitance	16.3 pF/ft @1 kHz, Nominal
3) Characteristic Impedance	99 Ω
4) Inductance	0.19 μH/ft, Nominal
5) Conductor DCR	64 Ω/1000ft @20°C, Nominal

Other

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>

www.alphawire.com

Alpha Wire
2200 US Highway 27 South
Richmond, IN 47374

Tel: 1-800-52 ALPHA

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