

Request a Sample

Customer Specification PART NO. 78103

Construction

				Diameters (In)		
1) Component 1		3 X 1 COND	3 X 1 COND			
a) Conductor		28 (19/40) AWG Tin	28 (19/40) AWG Tinned Copper		0.016	
b) Insulation		0.007" Wall, Nom. M Ether-PE	0.007" Wall, Nom. Modified Polyphenylene Ether-PE		0.030	
(1) Color Code		Alpha Wire Color Co	Alpha Wire Color Code E			
Cond	Color	Cond	Color	Cond	Color	
1	BLACK	2	BROWN	3	RED	
2) Cable Assembly		3 Components Cable	3 Components Cabled			
a) Twists:		13.7 Twists/foot (mir	13.7 Twists/foot (min)			
b) Core Wrap		Nonwoven Polyester	Nonwoven Polyester Tape, 25% Overlap, Min.			
3) Shield:		Alum/Mylar Tape, 25	Alum/Mylar Tape, 25% Overlap, Min.			
a) Foil Direction		Foil Facing In	Foil Facing In			
b) Drain Wire		28 (7/36) AWG Tinn	28 (7/36) AWG Tinned Copper			
4) Jacket		0.015" Wall, Nom.,M Ether-PE	0.015" Wall, Nom.,Modified Polyphenylene Ether-PE		0.103 (0.110 Max.)	
a) Color(s)		SLATE	SLATE			
b) Ripcord		1 End 810 Denier Ny	1 End 810 Denier Nylon			
c) Print		ECOCABLE(R) MINI C(RU) AWM I A/B FT	ALPHA WIRE-* P/N 78103 3C 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	
4) CE:	EU Low Voltage Directive 2006/95/EC	

Environmental

1) CE: EU Directive 2011/65/EU(RoHS2):				
	This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011. No Exemptions are required for RoHS Compliance on this item. Consult Alpha Wire's web site for RoHS C of C.			
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. For up-to-date information, please see Alpha's REACH SVHC Declaration.			

Properties

Toportion				
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) Capacitance	23.9 pf/ft @1 kHz, Nominal Conductor to Conductor			
3) Ground Capacitance	43 pf/ft @1 kHz, Nominal			
4) Inductance	0.19 μH/ft, Nominal			
5) Conductor DCR	63 Ω/1000ft @20°C, Nominal			
6) OA Shield DCR	41 Ω/1000ft @20°C, Nominal			

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	12 x 4.5 x 3.5 Continuous length
b) 100 FT	3.5 x 3 x 1.125 Continuous length
c) Bulk(Made-to-order)	
	[Spool dimensions may vary slightly]

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EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 78103

78103, RoHS-Compliant Commencing With 7/22/2014 Production

This document certifies that the Alpha part number cited above is manufactured in accordance with Directive 2011/65/EU of the European Parliament, better known as the RoHS Directive, with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. The reader is referred to this Directive for the specific definitions and extents of this Directive. No Exemptions are required for RoHS Compliance on this item. Additionally, Alpha certifies that the listed part number is in compliance with China RoHS "Marking for Control of Pollution by Electronic Information Products" standard SJ/T 11364-2006.

Substance Maximum Control Value Lead 0.1% by weight (1000 ppm) Mercury 0.1% by weight (1000 ppm) 0.01% by weight (100 ppm) Cadmium Hexavalent Chromium 0.1% by weight (1000 ppm) Polybrominated Biphenyls (PBB) 0.1% by weight (1000 ppm) Polybrominated Diphenyl Ethers (PBDE),

Including Deca-BDE 0.1% by weight (1000 ppm)

The information provided in this document and disclosure is correct to the best of Alpha Wire's knowledge, information and belief at the date of its release. The information provided is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it will become part of. The intent of this document is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Authorized Signatory for the Alpha Wire Company:

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