

Customer Specification

PART NO. 45373

Construction

						Diameter	rs (In)
1) Component 1 3 X 1 PAIR							
		18 (16/30) AWG	18 (16/30) AWG Tinned Copper			0.047	
		0.016" Wall, Nom				0.079	
(1) Color Code Alpha Wire C		Alpha Wire Color	olor Code B			•	
Pair	Color	•	Pair	Color	Pair		Color
1	WHITE-E	BLACK	2	WHITE-BROWN	3		WHITE-RED
c) Pair	<u>'</u>	2/Cond Cabled T	ogether	'	'		'
(1) Twists:		5.3 Twists/foot (min)					
2) Cable Assemb	ly	3 Components Cabled					
a) Twists:		3.0 Twists/foot (min)					
b) Orientation:		Components to be arranged from INSIDE LAYER to OUTSIDE LAYER					
c) Core Wrap		Nonwoven Polyester Tape, 20% Overlap, Min.					
3) Shield:		Alum/Mylar Tape, 20% Overlap, Min.					
a) Foil Direction		Foil Facing In					
b) Drain Wire		18 (16/30) AWG Tinned Copper					
4) Jacket		0.045" Wall, Nom.,TPE				0.378 (0.393 Max.)	
a) Color(s)		Slate, Black, Yello	w, Orange, B	lue, Green, Red, Sand Beige, \	White	`	
b) Ripcord 1 En		1 End 810 Denier Nylon					
c) Print		ALPHA WIRE-* P/N 45373 3PR 18 AWG XTRAGUARD(R) 4 (UL) TYPE PLTC 105C SUN RES OR AWM 20237/21918 125C 300 V OR CRU AWM I/II A/B 125C 300 V FT1 P-07-KA140023-MSHA CE ROHS (SEQ FOOTAGE) * = Factory Code					

Applicable Specifications

1) UL	AWM/STYLE 20237	125°C / 300 V _{RMS}	
	PLTC	105°C	
	AWM/STYLE 21918	125°C / 300 V _{RMS}	
	SUN RES		
2) CSA International	C(RU) AWM I/II A/B FT1	125°C / 300 V _{RMS}	
	SUN RES (Black only)		
3) Other	PENNSYLVANIA BUREAU OF MINE SAFETY APPROVED		
4) CE:	EU Low Voltage Directive 2014/35/EU		

Environmental

	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 Exemption are required for RoHS Compliance on this item.	
2) REACH Regulation (EC 190)7/2006):	
	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.	
3) California Proposition 65:	This product may contain substances known to the State of California to cause Cancer or Reproductive Harm, but is exempt from labeling based on the Consent Judgement. See the Alpha Wire website for more information.	

Properties

Physical & Mechanical Properties				
-50 to 125°C				
10X Cable Diameter				
88 Lbs, Maximum				
Yes				
(For Engineering purposes only)				
300 V _{RMS}				
19.7 pF/ft @1 kHz, Nominal				
35 pF/ft @1 kHz, Nominal				
81 Ω				
0.18 μH/ft, Nominal				
7.1 Ω/1000ft @20°C, Nominal				
5.6 Ω/1000ft @20°C, Nominal				
	-50 to 125°C 10X Cable Diameter 88 Lbs, Maximum Yes (For Engineering purposes only) 300 V _{RMS} 19.7 pF/ft @1 kHz, Nominal 35 pF/ft @1 kHz, Nominal 81 Ω 0.18 μH/ft, Nominal 7.1 Ω/1000ft @20°C, Nominal			

Other

Packaging	Flange x Traverse x Barrel (inches)		
a) 1000 FT	18 x 14.25 x 8 Continuous length		
b) 100 FT	12 x 5.94 x 5 Continuous length		
c) Bulk(Made-to-order)			
	[Spool dimensions may vary slightly]		
Notes:			
a) Print legend will contain CSA SUN RES on black cables only.			
b) 1000 ft. and 100 ft. Put-ups are special, made to order. Minimums may apply.			

www.alphawire.com

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EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 45373

45373, RoHS-Compliant Commencing With 10/1/2014 Production

Note: all colors and put-ups

This document certifies that the Alpha part number cited above, including all packaging materials, is manufactured in accordance with Directive 2011/65/EU of the European Parliament, better known as the RoHS Directive (commonly known as RoHS 2), with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. This certification extends to amending Directive 2015/863/EU which expanded the list of restricted substances to 10 items (commonly known as RoHS 3). This product also complies with UK - RoHS. The reader is referred to these Directives for the specific definitions and extents of the Directives. **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 11364-2014. This product is also in compliance with China RoHS 2 per GB/T 26572-2011.

Substance	Maximum Control Value
Lead	0.1% by weight (1000 ppm)
Mercury	0.1% by weight (1000 ppm)
Cadmium	0.01% by weight (100 ppm)
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)
Bis(2-ethylhexyl) phthalate (DEHP)	0.1% by weight (1000 ppm)
Butyl benzyl phthalate (BBP)	0.1% by weight (1000 ppm)
Dibutyl phthalate (DBP)	0.1% by weight (1000 ppm)
Diisobutyl phthalate (DIBP)	0.1% by weight (1000 ppm)

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Authorized Signatory for the Alpha Wire:

Dave Watson, Director of Engineering 5/2/2024

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