

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Request a Sample

Customer Specification PART NO. M13173

Construction

				Diameters (In)		
1) Component 1		3 X 1 PAIR	3 X 1 PAIR			
a) Conductor		18 (16/30) AWG TC	18 (16/30) AWG TC		0.047	
b) Insulation		0.016" Wall, Nom. Poly	0.016" Wall, Nom. Polypropylene(PP)		0.079	
(1) Color Code		Alpha Wire Color Code	Alpha Wire Color Code K			
Pair	Color	Pair	Color	Pair	Color	
1	BLACK-RED	2	BLACK-WHITE	3	BLACK-GREEN	
c) Pair		2/Cond Cabled Togeth	2/Cond Cabled Together			
(1) Twists:		5.3 Twists/foot (min)	5.3 Twists/foot (min)			
Individually Applied:						
d) Shield:		Foil Free Alum/Mylar T	Foil Free Alum/Mylar Tape, 25% Overlap, Min.			
(1) Foil Direction		Foil Facing In	Foil Facing In			
(2) Drain Wire		20 (7/28) AWG TC				
2) Cable Assembly		3 Components Cabled				
a) Twists:		2.7 Twists/foot (min)				
b) Core Wrap		Clear Mylar Tape, 25% Overlap, Min.				
3) Jacket		0.032" Wall, Nom.,PVC		0.376 (0.391 Max.)		
a) Color(s)		SLATE				
b) Print		ALPHA WIRE-* P/N M13173 3PR 18 AWG EXXXXXX 75C SHIELDED CMG (UL) C(UL) OR AWM STYLE 2919 LOW VOLTAGE COMPUTER CABLE CE ROHS * = Factory Code [Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]				

Applicable Specifications

Applicable openitione				
1) UL				
a) Component 1	AWM/STYLE 10118	80°C / 300 V _{RMS}		
b) Overall	AWM/STYLE 2919	80°C / 30 V _{RMS}		
	СМС	75°C		
2) CSA International	FT4			
	C(UL) TYPE CMG	75°C		
3) CE:	EU Low Voltage Directive 2006/95/	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.			
3) California Proposition 65:	The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.			

Properties

. 100011100				
Physical & Mechanical Properties				
1) Temperature Range	-20 to 80°C			
2) Bend Radius	10X Cable Diameter			
3) Pull Tension	102 Lbs, Maximum			
Electrical Properties	(For Engineering purposes only)			
1) Voltage Rating	300 V _{RMS}			
2) Mutual Capacitance	26 pf/ft @1 kHz, Nominal			
3) Ground Capacitance	47 pf/ft @1 kHz, Nominal			
4) Characteristic Impedance	59 Ω			
5) Inductance	0.18 μH/ft, Nominal			
6) Conductor DCR	7.2 Ω/1000ft @20°C, Nominal			
7) Component Shield DCR	8.3 Ω/1000ft @20°C, Nominal			

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	20 x 11 x 8 Continuous length
b) 500 FT	16 x 11 x 8 Continuous length
c) 100 FT	12 x 10 x 5 Continuous length
d) Bulk(Made-to-order)	
	[Spool dimensions may vary slightly]

www.alphawire.com

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EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: M13173

M13173, RoHS-Compliant Commencing With 1/1/2006 Production

Note: all colors and put-ups

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 (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) 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.

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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 & QA

Alpha Wire

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