

Request a Sample

Customer Specification PART NO. 5419

Construction

				Diameters (In)		
1) Component 1		9 X 1 COND	9 X 1 COND			
a) Conductor		20 (10/30) AWG	20 (10/30) AWG Tinned Copper		0.037	
b) Insulation		0.0325" Wall, N	0.0325" Wall, Nom. PVC		0.102	
(1) Color Code		Alpha Wire Cold	Alpha Wire Color Code E			
Cond	Color	Cond	Color	Cond	Color	
1	BLACK	4	ORANGE	7	BLUE	
2	BROWN	5	YELLOW	8	VIOLET	
3	RED	6	GREEN	9	SLATE	
2) Cable Assembly		9 Components (9 Components Cabled			
a) Twists:		2.7 Twists/foot (2.7 Twists/foot (min)			
b) Orientation:			Components to be arranged from INSIDE LAYER to OUTSIDE LAYER		c) Core Wrap	
Nonwoven Polyester Tape, 25% Overlap, Min.		Min.			3) Jacket	
0.063" Wall, Nom.,PVC		0.503 (0.529 Ma	0.503 (0.529 Max.)		a) Color(s)	
Slate, Black, Yel	llow, Orange, Blue, Green,	Red, Sand Beige, Wh	, Sand Beige, White		b) Ripcord	
1 End 810 Denier Nylon					c) Print	

Applicable Specifications

1) UL		
a) Component 1	AWM/STYLE 1015	105°C / 600 V _{RMS}
	мтw	90°C Dry / 60°C Wet / 600 V _{RMS}
b) Overall	MTW	90°C Dry / 60°C Wet / 600 V _{RMS}
	AWM/STYLE 21896	105°C / 600 V _{RMS}
	SUN RES	
	60C OIL	
	AWM/STYLE 2501	105°C / 600 V _{RMS}
	VW-1	
2) CSA International		
a) Component 1	TEW	105°C / 600 V _{RMS}
b) Overall	AWM I/II A/B	105°C / 600 V _{RMS}
	FT4	
3) IEC	EN 60332-1 Flame Behavior	
	EN 60332-2 Flame Behavior	
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.			
3) California Proposition 65:	The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.			

Properties

1 Toportios				
Physical & Mechanical Properties				
1) Temperature Range	-30 to 105°C			
2) Bend Radius	10X Cable Diameter			
3) Pull Tension	71 Lbs, Maximum			
4) Sunlight Resistance	Yes			
Electrical Properties	(For Engineering purposes only)			
1) Voltage Rating	600 V _{RMS}			
2) Capacitance	23.5 pf/ft @1 kHz, Nominal Conductor to Conductor			
3) Inductance	0.24 μH/ft, Nominal			
4) Conductor DCR	11.6 Ω/1000ft @20°C, Nominal			

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	24 x 14 x 12 Continuous length
b) 500 FT	20 x 11 x 8 Continuous length
c) 100 FT	16 x 11 x 8 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: 5419

5419, RoHS-Compliant Commencing With 8/1/2005 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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