

Customer Specification

PART NO. 5311C

Construction

				Diameters (ln)	
1) Component 1 7 X 1 COND						
·		G Tinned Copper	Finned Copper			
b) Insulation			PVC, Semi Rigid			
(1) Color Code	Alpha Wire C	lpha Wire Color Code E				
Cond	Color	Cond	Color	Cond	Color	
1	BLACK	4	ORANGE	7	BLUE	
2	BROWN	5	YELLOW			
3	RED	6	GREEN			
2) Cable Assembly	7 Component	7 Components Cabled				
a) Twists:	5.3 Twists/foo	5.3 Twists/foot (min)				
b) Orientation:	Components	Components to be arranged from INSIDE LAYER to OUTSIDE LAY				
c) Core Wrap	Nonwoven Po	Nonwoven Polyester Tape, 25% Overlap, Min.				
3) Shield:	A/P/A Tape, 2	A/P/A Tape, 25% Overlap, Min.				
a) Drain Wire	22 (7/30) AW	22 (7/30) AWG Tinned Copper				
b) Braid	Tinned Coppe	Tinned Copper,70% Coverage, Nom.				
4) Jacket	0.063" Wall, N	0.063" Wall, Nom.,PVC		0.309 (0.324	0.309 (0.324 Max.)	
a) Color(s)	Slate, Black, Y	Slate, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White				
b) Ripcord	1 End 810 De	1 End 810 Denier Nylon				
c) Print	XTRAGUARD(2343 80C 300 OIL VW-1 CE ROHS (SEC * = Factory Co	ALPHA WIRE-* P/N 5311C 7C 22 AWG XTRAGUARD(R) 1 SHIELDED (UL) TYPE CM 105C OR AWM 2343 80C 300V OR AWM 21895 105C 300V SUN RES 60C OIL VW-1 LLXXXXXX CSA 105C TYPE CMG FT4 CE ROHS (SEQ FOOTAGE) * = Factory Code [Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]				

Applicable Specifications

1) UL			
a) Component 1	AWM/STYLE 10002	105°C / 300 V _{RMS}	
b) Overall	AWM/STYLE 21895	105°C / 300 V _{RMS}	
	SUN RES		
	60C OIL		
	AWM/STYLE 2343	80°C	
	СМ	105°C	
	VW-1		
2) CSA International	CMG	105°C	
	FT4		
3) IEC	EN 60332-1 Flame Behavior		
	EN 60332-2 Flame Behavior		
4) CE:	EU Low Voltage Directive 2014/35/EU		

Environmental

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.	
)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.	
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 information.	
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Properties

Physical & Mechanical Properties				
-35 to 105°C				
10X Cable Diameter				
47 Lbs, Maximum				
Yes				
(For Engineering purposes only)				
300 V _{RMS}				
35 pF/ft @1 kHz, Nominal Conductor to Conductor				
63 pF/ft @1 kHz, Nominal				
0.18 μH/ft, Nominal				
16.4 Ω/1000ft @20°C, Nominal				
3.9 Ω/1000ft @20°C, Nominal				
	10X Cable Diameter 47 Lbs, Maximum Yes (For Engineering purposes only) 300 V _{RMS} 35 pF/ft @1 kHz, Nominal Conductor to Conductor 63 pF/ft @1 kHz, Nominal 0.18 μH/ft, Nominal 16.4 Ω/1000ft @20°C, Nominal			

Other

Packaging	Flange x Traverse x Barrel (inches)	
a) 1000 FT	18 x 9 x 8 Continuous length	
b) 500 FT	12 x 10.5 x 5 Continuous length	
c) 100 FT	10.5 x 5 x 3.5 Continuous length	
d) Bulk(Made-to-order)		
	[Spool dimensions may vary slightly]	

www.alphawire.com

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EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 5311C

5311C, RoHS-Compliant Commencing With 8/1/2005 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 5/4/2024

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