



Customer Specification

PART NO. 5336C

Construction			

				Diamete	rs (ln)	
1) Compor	ent 1	37 X 1 P.	37 X 1 PAIR			
a) Conduct	or	24 (7/32	24 (7/32) AWG Tinned Copper			
b) Insulation			/all, Nom. PVC, Semi Rigid	0.044		
(1) Color C	ode	Alpha W	ire Color Code B			
Pair	Color	Pair	Color	Pair	Color	
1	WHITE-BLACK	14	BLACK-GREEN	27	RED-GREEN	
2	WHITE-BROWN	15	BLACK-BLUE	28	RED-BLUE	
3	WHITE-RED	16	BLACK-VIOLET	29	RED-VIOLET	
4	WHITE-ORANGE	17	BLACK-SLATE	30	RED-SLATE	
5	WHITE-YELLOW	18	BROWN-RED	31	ORANGE-YELLOW	
6	WHITE-GREEN	19	BROWN-ORANGE	32	ORANGE-GREEN	
7	WHITE-BLUE	20	BROWN-YELLOW	33	ORANGE-BLUE	
8	WHITE-VIOLET	21	BROWN-GREEN	34	ORANGE-VIOLET	
9	WHITE-SLATE	22	BROWN-BLUE	35	ORANGE-SLATE	
10	BLACK-BROWN	23	BROWN-VIOLET	36	YELLOW-GREEN	
11	BLACK-RED	24	BROWN-SLATE	37	YELLOW-BLUE	
12	BLACK-ORANGE	25	RED-ORANGE			
13	BLACK-YELLOW	26	RED-YELLOW			
c) Pair		2/Cond	2/Cond Cabled Together			
(1) Twists:		9.6 Twist	9.6 Twists/foot (min)			
2) Cable As	sembly	37 Comp	37 Components Cabled			
a) Twists:		1.6 Twist	1.6 Twists/foot (min)			
b) Orientat	ion:		Components to be arranged from INSIDE LAYER to OUTSIDE LAYER			
c) Core Wr	ар	Nonwov Min.	Nonwoven Polyester Tape, 20% Overlap, Min.			
3) Shield:		A/P/A Ta	A/P/A Tape, 20% Overlap, Min.			
a) Drain W	re	24 (7/32	24 (7/32) AWG Tinned Copper			
b) Braid			Tinned Copper,70% Coverage, Nom.			
4) Jacket		0.063" W	0.063" Wall, Nom.,PVC		0.662 (0.698 Max.)	
a) Color(s)		Slate, Bla	Slate, Black, Yellow, Orange, Blue, Green, Red		ge, White	
b) Ripcord		1 End 81	1 End 810 Denier Nylon			
c) Print		XTRAGU 2343 800 OIL VW- CE ROH! * = Facto	ALPHA WIRE-* P/N 5336C 37PR 24 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

1) CE: EU Directive 2011/65/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 Exemption are required for RoHS Compliance on this item.		
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.		
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.		
	information.		

Properties

Physical & Mechanical Properties		
1) Temperature Range	-35 to 105°C	
2) Bend Radius	10X Cable Diameter	
3) Pull Tension	273 Lbs, Maximum	
4) Sunlight Resistance	Yes	
Electrical Properties	(For Engineering purposes only)	
1) Voltage Rating	300 V _{RMS}	
2) Mutual Capacitance	22.5 pF/ft @1 kHz, Nominal	
3) Ground Capacitance	40 pF/ft @1 kHz, Nominal	
4) Characteristic Impedance	83 Ω	
5) Inductance	0.19 μH/ft, Nominal	
6) Conductor DCR	26 Ω/1000ft @20°C, Nominal	
7) OA Shield DCR	1.94 Ω/1000ft @20°C, Nominal	

Other

Packaging	Flange x Traverse x Barrel (inches)	
a) 1000 FT	30 x 14 x 12 Continuous length	
b) 500 FT	24 x 14 x 12 Continuous length	
c) 100 FT	18 x 9 x 8 Continuous length	
d) Bulk(Made-to-order)		
	[Spool dimensions may vary slightly]	
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www.alphawire.com

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EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 5336C

5336C, 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 4/29/2024

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