



Customer Specification

PART NO. 5586C

Construction						

						Diameters (In)	
1) Component 1						37 X 1 COND	
a) Conductor						22 (7/30) AWG Tinned Copper	0.030
						0.010" Wall, Nom. PVC, Semi Rigid	0.050
						Alpha Wire Color Code E	
Cond	Color	Cond	Color	Cond	Color		-'
1	BLACK	14	WHITE/OR		WHITE/BLA		
2	BROWN	15	WHITE/YEI		WHITE/BR(
3	RED	16	WHITE/GR	29	WHITE/BR(
4	ORANGE	17	WHITE/BLI	30	WHITE/BR(
5	YELLOW	18	WHITE/VIC	31	WHITE/BR(
6	GREEN	19	WHITE/SL/	32	WHITE/BR(
7	BLUE	20	WHITE/BL/	33	WHITE/BRO		
8	VIOLET	21	WHITE/BL	34	WHITE/BR(
9	SLATE	22	WHITE/BL	35	WHITE/RED		
10	WHITE	23	WHITE/BL/	36	WHITE/RED		
11	WHITE/BL	24	WHITE/BL/	37	WHITE/RED		
12	WHITE/BR	25	WHITE/BL				
13	WHITE/RE	26	WHITE/BL				
2) Cabl	e Assembly					37 Components Cabled	
a) Twis	ts:					2.3 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) Shie	ld:					Alum/Mylar Tape, 20% Overlap, Min.	
a) Foil	Direction					Foil Facing In	
b) Drai	n Wire					22 (7/30) AWG Tinned Copper	
4) Jack	et					0.063" Wall, Nom.,PVC	0.484 (0.509 Max.)
a) Color(s)						Slate, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White	
b) Ripcord						1 End 810 Denier Nylon	
c) Print						ALPHA WIRE-* P/N 5586C 37C 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

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 Exemptions 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.

Properties					

Physical & Mechanical Properties				
1) Temperature Range	-35 to 105℃			
2) Bend Radius	10X Cable Diameter			
3) Pull Tension	209 Lbs, Maximum			
4) Sunlight Resistance	Yes			
Electrical Properties	(For Engineering purposes only)			
1) Voltage Rating	300 V _{RMS}			
2) Capacitance	35 pF/ft @1 kHz, Nominal Conductor to Conductor			
3) Ground Capacitance	63 pF/ft @1 kHz, Nominal			
4) Inductance	0.18 μH/ft, Nominal			
5) Conductor DCR	16.5 Ω/1000ft @20°C, Nominal			
6) OA Shield DCR	10.4 Ω/1000ft @20°C, Nominal			
7, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,	, , , , , , , , , , , , , , , , , , , ,			

Other

Packaging	Flange x Traverse x Barrel (inches)	
a) 1000 FT	24 x 14 x 12 Continuous length	
b) 500 FT	18 x 14.25 x 8 Continuous length	
c) 100 FT	18 x 9 x 8 Continuous length	
d) Bulk(Made-to-order)		
	[Spool dimensions may vary slightly]	

www.alphawire.com

Alpha Wire 2200 US Highway 27 South Richmond, IN 47374

Tel: 1-800-52 ALPHA

Although Alpha Wire ("Alpha") makes every reasonable effort to ensure there accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.

Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha had been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.



EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 5586C

5586C, 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)

The information provided in this document and disclosure is correct to the best of Alpha Wire's knowledge, information and belief at the date of its release. The information provided is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it will become part of. The intent of this document is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Authorized Signatory for the Alpha Wire:

Dave Watson, Director of Engineering 9/17/2025

Alpha Wire 2200 US Highway 27 South Richmond, IN 47374 Tel: 1-908-925-8000