



Customer Specification

PART NO. 5390/60C

Construction				

ponent 1 ductor lation or Code Color BLACK RED WHITE GREEN ORANGE BLUE BROWN YELLOW VIOLET SLATE PINK TAN	Cond 21 22 23 24 25 26 27 28 29 30 31	Color WHITE/BR WHITE/SL/ WHITE/SL/ WHITE/BL/ WHITE/BL/ WHITE/BL/ WHITE/BL/ WHITE/BL/ WHITE/BL/ WHITE/BL/	42 43 44 45 46 47	Color WHITE/GRI WHITE/GRI WHITE/GRI WHITE/GRI WHITE/BLL WHITE/BLL		0.047
ductor lation or Code Color BLACK RED WHITE GREEN ORANGE BLUE BROWN YELLOW VIOLET SLATE PINK TAN	21 22 23 24 25 26 27 28 29	WHITE/BR WHITE/OR WHITE/SL WHITE/VIC WHITE/BL WHITE/BL WHITE/BL WHITE/BL WHITE/BL	41 42 43 44 45 46 47	WHITE/GRI WHITE/GRI WHITE/GRI WHITE/GRI WHITE/GRI	18 (16/30) AWG Tinned Copper 0.016" Wall, Nom. PVC Alpha Wire Color Code D	
Color BLACK RED WHITE GREEN ORANGE BLUE BROWN YELLOW VIOLET SLATE PINK TAN	21 22 23 24 25 26 27 28 29	WHITE/BR WHITE/OR WHITE/SL WHITE/VIC WHITE/BL WHITE/BL WHITE/BL WHITE/BL WHITE/BL	41 42 43 44 45 46 47	WHITE/GRI WHITE/GRI WHITE/GRI WHITE/GRI WHITE/GRI	0.016" Wall, Nom. PVC Alpha Wire Color Code D	
Color BLACK RED WHITE GREEN ORANGE BLUE BROWN YELLOW VIOLET SLATE PINK TAN	21 22 23 24 25 26 27 28 29	WHITE/BR WHITE/OR WHITE/SL WHITE/VIC WHITE/BL WHITE/BL WHITE/BL WHITE/BL WHITE/BL	41 42 43 44 45 46 47	WHITE/GRI WHITE/GRI WHITE/GRI WHITE/GRI WHITE/GRI	Alpha Wire Color Code D	
Color BLACK RED WHITE GREEN ORANGE BLUE BROWN YELLOW VIOLET SLATE PINK TAN	21 22 23 24 25 26 27 28 29	WHITE/BR WHITE/OR WHITE/SL WHITE/VIC WHITE/BL WHITE/BL WHITE/BL WHITE/BL WHITE/BL	41 42 43 44 45 46 47	WHITE/GRI WHITE/GRI WHITE/GRI WHITE/GRI WHITE/GRI		'
BLACK RED WHITE GREEN ORANGE BLUE BROWN YELLOW VIOLET SLATE PINK TAN	21 22 23 24 25 26 27 28 29	WHITE/BR WHITE/OR WHITE/SL WHITE/VIC WHITE/BL WHITE/BL WHITE/BL WHITE/BL WHITE/BL	41 42 43 44 45 46 47	WHITE/GRI WHITE/GRI WHITE/GRI WHITE/GRI WHITE/GRI		
RED WHITE GREEN ORANGE BLUE BROWN YELLOW VIOLET SLATE PINK TAN	22 23 24 25 26 27 28 29	WHITE/OR WHITE/SL WHITE/BL WHITE/BL WHITE/BL WHITE/BL WHITE/BL WHITE/BL	42 43 44 45 46 47	WHITE/GRI WHITE/GRI WHITE/GRI WHITE/BLL		
WHITE GREEN ORANGE BLUE BROWN YELLOW VIOLET SLATE PINK TAN	23 24 25 26 27 28 29 30	WHITE/SL/ WHITE/VIC WHITE/BL/ WHITE/BL/ WHITE/BL/ WHITE/BL/ WHITE/BL/	43 44 45 46 47	WHITE/GRI WHITE/GRI WHITE/BLL		
GREEN ORANGE BLUE BROWN YELLOW VIOLET SLATE PINK TAN	24 25 26 27 28 29 30	WHITE/VIC WHITE/BL WHITE/BL WHITE/BL WHITE/BL	44 45 46 47	WHITE/GRI WHITE/GRI WHITE/BLL		
BLUE BROWN YELLOW VIOLET SLATE PINK TAN	26 27 28 29 30	WHITE/BL WHITE/BL WHITE/BL WHITE/BL	45 46 47	WHITE/BLL		
BROWN YELLOW VIOLET SLATE PINK TAN	27 28 29 30	WHITE/BL/ WHITE/BL/ WHITE/BL/	47			
YELLOW VIOLET SLATE PINK TAN	28 29 30	WHITE/BL/		WHITE/BLL		
VIOLET SLATE PINK TAN	29 30	WHITE/BL/	48			
SLATE PINK TAN	30			WHITE/BLL		
PINK TAN		WHITE/BL	49	WHITE/BLL		
TAN	31		50	WHITE/BLL		
		WHITE/BL	51	WHITE/BLL		
	32	WHITE/BL	52	WHITE/BR(
RED/GREE	33	WHITE/BL	53	WHITE/BR(
RED/YELL(34	WHITE/RE	54	WHITE/BR(
RED/BLAC	35	WHITE/RE	55	WHITE/BR(
WHITE/BL/	36	WHITE/RE	56	WHITE/BR(
				WHITE/BR(
	40	WHITE/GR	60	WHITE/VIC		
					·	
b) Orientation:					-	
					Components to be arranged from INSIDE LAYER to OUTSIDE LAYER	
					Nonwoven Polyester Tape, 20% Overlap, Min.	
3) Shield:					Alum/Mylar Tape, 20% Overlap, Min.	
a) Foil Direction					Foil Facing In	
b) Drain Wire					18 (16/30) AWG Tinned Copper	
et					0.083" Wall, Nom.,PVC	0.885 (0.918 Max.)
113) (OIOr(s)					Slate, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White	
b) Ripcord					1 End 810 Denier Nylon	
c) Print					ALPHA WIRE-* P/N 5390/60C 60C 18 AWG XTRAGUARD(R) 1 SHIELDED (UL) TYPE CM 105C SUN RES OR AWM 2464 80C 300V OR AWM 2517 105C 300V VW-1 OR C(UL) TYPE CMG 105C FT4 CE ROHS OIL RESISTANT (SEQ FOOTAGE) * = Factory Code [Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]	
t i	RED/YELLC RED/BLAC WHITE/BL WHITE/GR WHITE/YEI WHITE/YEI WHITE/BLI e Assembly es: htation: Wrap d: Direction h Wire et r(s)	mtation: Wrap d: Direction n Wire et r(s)	RED/YELLC 34 WHITE/REI RED/BLAC 35 WHITE/REI WHITE/BL 36 WHITE/REI WHITE/REI 37 WHITE/REI WHITE/GR 38 WHITE/REI WHITE/YEI 39 WHITE/REI WHITE/YEI 40 WHITE/GR e Assembly es: Intation: Wrap d: Direction In Wire Pet Tr(s)	RED/YELLC 34 WHITE/REI 54 RED/BLAC 35 WHITE/REI 55 WHITE/BL 36 WHITE/REI 56 WHITE/REI 37 WHITE/REI 57 WHITE/GR 38 WHITE/REI 58 WHITE/YEI 39 WHITE/REI 59 WHITE/BLI 40 WHITE/GR 60 e Assembly ss: htation: Wrap d: Direction n Wire et	RED/YELLC 34 WHITE/REI 54 WHITE/BRC RED/BLAC 35 WHITE/REI 55 WHITE/BRC WHITE/BL 36 WHITE/REI 56 WHITE/BRC WHITE/REI 37 WHITE/REI 57 WHITE/BRC WHITE/GR 38 WHITE/REI 58 WHITE/VIC WHITE/YEI 39 WHITE/REI 59 WHITE/VIC WHITE/BLI 40 WHITE/GR 60 WHITE/VIC Re Assembly TS: Intation: Wrap d: Direction The Wire Pet Tr(s)	RED/YELLC 34 WHITE/RE 54 WHITE/BRC RED/BLAC 35 WHITE/RE 55 WHITE/BRC WHITE/BL 36 WHITE/RE 56 WHITE/BRC WHITE/RE 37 WHITE/RE 57 WHITE/BRC WHITE/RE 37 WHITE/RE 58 WHITE/VIC WHITE/YE 39 WHITE/RE 59 WHITE/VIC WHITE/BL 40 WHITE/WIC WHITE/BL 40 WHITE/BL 40 WHITE/WIC WHITE/WIC WHITE/BL 40 WHITE/WIC WHITE/WIC WHITE/BL 40 WHITE/WIC

Applicable Specifications

1) UL		
a) Component 1	AWM/STYLE 1569	105°C / 300 V _{RMS}
b) Overall	AWM/STYLE 2517	105°C / 300 V _{RMS}
	SUN RES	
	AWM/STYLE 2464	80°C / 300 V _{RMS}
	СМ	105°C
	VW-1	
2) CSA International	C(UL) TYPE CMG	105°C
	FT4	
3) IEC	EN 60332-1 Flame Behavior	
	EN 60332-2 Flame Behavior	
4) Other	Oil Resistant	
5) 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	-30 to 105°C		
2) Bend Radius	10X Cable Diameter		
3) Pull Tension	767 Lbs, Maximum		
4) Sunlight Resistance	Yes		
Electrical Properties	(For Engineering purposes only)		
1) Voltage Rating	300 V _{RMS}		
2) Capacitance	45 pF/ft @1 kHz, Nominal Conductor to Conductor		
3) Ground Capacitance	81 pF/ft @1 kHz, Nominal		
4) Inductance	0.18 μH/ft, Nominal		
5) Conductor DCR	7.1 Ω/1000ft @20°C, Nominal		
6) OA Shield DCR	4.7 Ω/1000ft @20°C, Nominal		

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	48 x 26 x 18 Continuous length
b) 500 FT	30 x 14 x 12 Continuous length
c) 100 FT	24 x 14 x 12 Continuous length
d) Bulk(Made-to-order)	
	[Spool dimensions may vary slightly]
Notes:	
a) Oil Resistant Jacket (7d @ 60C).	
a) OII Resistant Jacket (7d @ 60C).	

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.

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EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 5390/60C

5390/60C, 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 8/4/2025

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