



Alpha Wire | 711 Lidgerwood Avenue, Elizabeth, NJ 07207
Tel: 1-800-52 ALPHA (25742), Web: www.alphawire.com

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Customer Specification

PART NO. 25060/70

Construction

		Diameters (In)
1) Component 1	70 X 1 COND	
a) Conductor	20 (7/28) AWG Tinned Copper	0.038
b) Insulation	0.016" Wall, Nom. PVC	0.070
(1) Color Code	Alpha Wire Color Code D	

Cond	Color	Cond	Color	Cond	Color
1	BLACK	25	WHITE/BLACK/RED	49	WHITE/BLUE/BLUE
2	RED	26	WHITE/BLACK/GREEN	50	WHITE/BLUE/BROWN
3	WHITE	27	WHITE/BLACK/YELLOW	51	WHITE/BLUE/VIOLET
4	GREEN	28	WHITE/BLACK/BLUE	52	WHITE/BROWN/BLACK
5	ORANGE	29	WHITE/BLACK/BROWN	53	WHITE/BROWN/RED
6	BLUE	30	WHITE/BLACK/ORANGE	54	WHITE/BROWN/GREEN
7	BROWN	31	WHITE/BLACK/SLATE	55	WHITE/BROWN/BLUE
8	YELLOW	32	WHITE/BLACK/VIOLET	56	WHITE/BROWN/BROWN
9	VIOLET	33	WHITE/BLACK/BLACK	57	WHITE/BROWN/VIOLET
10	SLATE	34	WHITE/RED/BLACK	58	WHITE/VIOLET/RED
11	PINK	35	WHITE/RED/RED	59	WHITE/VIOLET/GREEN
12	TAN	36	WHITE/RED/GREEN	60	WHITE/VIOLET/BLUE
13	RED/GREEN	37	WHITE/RED/BLUE	61	WHITE/BLACK/RED/GREEN
14	RED/YELLOW	38	WHITE/RED/BROWN	62	WHITE/BLACK/RED/YELLOW
15	RED/BLACK	39	WHITE/RED/VIOLET	63	WHITE/BLACK/RED/BLUE
16	WHITE/BLACK	40	WHITE/GREEN/BLACK	64	WHITE/BLACK/RED/BROWN
17	WHITE/RED	41	WHITE/GREEN/RED	65	WHITE/BLACK/RED/ORANGE
18	WHITE/GREEN	42	WHITE/GREEN/GREEN	66	WHITE/BLACK/RED/SLATE
19	WHITE/YELLOW	43	WHITE/GREEN/BLUE	67	WHITE/BLACK/RED/VIOLET

20	WHITE/BLUE	44	WHITE/GREEN/BROWN	68	WHITE/BLACK/GREEN/YELLOW
21	WHITE/BROWN	45	WHITE/GREEN/VIOLET	69	WHITE/BLACK/GREEN/BLUE
22	WHITE/ORANGE	46	WHITE/BLUE/BLACK	70	WHITE/BLACK/GREEN/BROWN
23	WHITE/SLATE	47	WHITE/BLUE/RED		
24	WHITE/VIOLET	48	WHITE/BLUE/GREEN		
2) Cable Assembly		70 Components Cabled			
a) Twists:		1.5 Twists/foot (min)			
b) Orientation:		Components to be arranged from INSIDE LAYER to OUTSIDE LAYER			
c) Core Wrap		Nonwoven Polyester Tape, 25% Overlap, Min.			
3) Jacket		0.083" Wall, Nom., Polyurethane (TPU)		0.859 (0.893 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 25060/70 XTRAGUARD(R) 2 RU AWM 20668 VW-1 --- LLXXXXXX CSA AWM I/II A/B 90C 300 VOLTS FT1 CE ROHS (SEQ FOOTAGE) * = Factory Code <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i>			

Applicable Specifications

1) UL		
a) Component 1	AWM/STYLE 1569	105°C / 300 V _{RMS}
b) Overall	AWM/STYLE 20668	90°C / 300 V _{RMS}
	VW-1	
2) CSA International		
	AWM I/II A/B	90°C / 300 V _{RMS}
	FT1	
3) CE:		
	EU Low Voltage Directive 2014/35/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 and the amending Directive 2015/863/EU of 4 June 2015. No Exemptions are required for RoHS Compliance on this item. Consult Alpha Wire's web site for RoHS C of C.
2) California Proposition 65:	Exempt from warning labels based on the Consent Judgment. Please see Alpha's CA Prop 65 Statement for more information.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-30 to 90°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	612 Lbs, Maximum
4) Sunlight Resistance	Yes
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	300 V _{RMS}
2) Capacitance	31 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Inductance	0.19 μH/ft, Nominal
4) Conductor DCR	10.4 Ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) Bulk(Made-to-order)	

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EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 25060/70

25060/70 , 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.

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 & QA

5/3/2017

Alpha Wire

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