

Customer Specification

PART NO. 25470/30

Construction

					Diameters (In)	
1) Component 1			30 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	11	PINK	21	WHITE/BROWN	
2	RED	12	TAN	22	WHITE/ORANGE	
3	WHITE	13	RED/GREEN	23	WHITE/SLATE	
4	GREEN	14	RED/YELLOW	24	WHITE/VIOLET	
5	ORANGE	15	RED/BLACK	25	WHITE/BLACK/RED	
6	BLUE	16	WHITE/BLACK	26	WHITE/BLACK/GREEN	
7	BROWN	17	WHITE/RED	27	WHITE/BLACK/YELLOW	
8	YELLOW	18	WHITE/GREEN	28	WHITE/BLACK/BLUE	
9	VIOLET	19	WHITE/YELLOW	29	WHITE/BLACK/BROWN	
10	SLATE	20	WHITE/BLUE	30	WHITE/BLACK/ORANGE	
2) Cable Ass	sembly	30	30 Components Cabled			
a) Twists:			1.8 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) Shield:		Alu	Alum/Mylar Tape, 20% Overlap, Min.			
a) Foil Direction			Foil Facing In			
b) Drain Wi	re	20	20 (7/28) AWG Tinned Copper			
4) Jacket		0.0	0.032" Wall, Nom.,Polyurethane (TPU)		0.521 (0.543 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 25470/30 XTRAGUARD(R) 2 RU AWM 20668 VW-1 OR CRU AWM I/II A/B 90C 300 VOLTS FT1 CE ROHS (SEQ FOOTAGE) * = Factory Code			

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	C(RU) AWM I/II A/B	90°C / 300 V _{RMS}	
	FT1		
3) CE:	EU Low Voltage Directive 2014/35/EU		

Environmental

1) CE: EU Directive 2011/65/I	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) 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 90°C			
2) Bend Radius	10X Cable Diameter			
3) Pull Tension	271 Lbs, Maximum			
4) Sunlight Resistance	Yes			
Electrical Properties	(For Engineering purposes only)			
1) Voltage Rating	300 V _{RMS}			
2) Capacitance	39 pF/ft @1 kHz, Nominal Conductor to Conductor			
3) Ground Capacitance	70 pF/ft @1 kHz, Nominal			
4) Inductance	0.19 μH/ft, Nominal			
5) Conductor DCR	10.3 Ω/1000ft @20°C, Nominal			
6) OA Shield DCR	6.9 Ω/1000ft @20°C, Nominal			

Other

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

www.alphawire.com

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EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 25470/30

25470/30, 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 4/28/2024

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