

Customer Specification

PART NO. 652412CY

Construction

					Diameters (In)
1) Component 1 1 X		1 X 12 COND	1 X 12 COND		
a) Conductor		24 (7/32) AWG Bare Copper			0.024
b) Insulation		0.022" Wall, Nom. PVC			0.068
(1) Print		ALPHANUMERIC NUM			
(2) Color(s)					
Cond	Color	Cond	Color	Cond	Color
1	BLACK #1	5	BLACK #5	9	BLACK #9
2	BLACK #2	6	BLACK #6	10	BLACK #10
3	BLACK #3	7	BLACK #7	11	BLACK #11
4	BLACK #4	8	BLACK #8	12	YELLOW/GREEN
c) Cabling		12 COND Cabled			
(1) Twists:		3.7 Twists/foot (min)			
(2) Orientation:		Components to be arranged from INSIDE LAYER to OUTSIDE LAYER			R
d) Jacket		0.020" Wall, Nom.,PVC, Oil Resistant			0.329+/- 0.024
(1) Color(s)		SLATE			
(2) Jacket Separator		Tissue Tape, 20% Overlap, Min.			
2) Shield		Tinned Copper BRAID Shield,85% Coverage, Nom.			
3) Jacket		0.040" Wall, Nom.,PVC, Oil Resistant			0.437+/- 0.032
a) Color(s)		SLATE			
b) Jacket Separator		Tissue Tape, 20% Overlap, Min.			
		ALPHA WIRE-* P/N 652412CY 12C 24 AWG XTRAGUARD(R) FLEXIBLE CONTROL CABLE RU AWM 2587 OR CRU AWM I/II A/B FT1 90C 600V CE ROHS (SEQ FOOTAGE) * = Factory Code			

Applicable Specifications

1) UL	AWM/STYLE 2587	90°C / 600 V _{RMS}	
2) CSA International	C(RU) AWM I/II A/B	90°C / 600 V _{RMS}	
	FT1		
3) CE:	EU Low Voltage Directive 2014/3	EU Low Voltage Directive 2014/35/EU	
, , ,			

Environmental

5/EU (RoHS Directive) of the European Parliament irective 2015/863/EU of 4 June 2015. No Exemptions				
2) REACH Regulation (EC 1907/2006):				
Concern (SVHC) listed on the European Union's n.				
te of California to cause Cancer or Reproductive nt Judgement. See the Alpha Wire website for more				

Properties

Physical & Mechanical Properties				
1) Temperature Range	-40 to 90°C(static), -5 to 90°C (dynamic)			
2) Bend Radius	5X Cable Diameter(static), 5X Cable Diameter(dynamic)			
3) Pull Tension	51 Lbs, Maximum			
Electrical Properties	(For Engineering purposes only)			
1) Voltage Rating	600 V _{RMS}			
2) Capacitance	27 pF/ft @1 kHz, Nominal Conductor to Conductor			
3) Ground Capacitance	49 pF/ft @1 kHz, Nominal			
4) Inductance	0.24 μH/ft, Nominal			
5) Conductor DCR	23.6 Ω/1000ft @20°C, Nominal			
6) OA Shield DCR	2.49 Ω/1000ft @20°C, Nominal			

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	12 x 5.94 x 5 Continuous length
	[Spool dimensions may vary slightly]

www.alphawire.com

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EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 652412CY

652412CY, RoHS-Compliant Commencing With 2/15/2018 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 5/3/2024

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