



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

# Customer Specification

## PART NO. 882240

Construction

		Diameters (In)			
1) Component 1		40 X 1 COND			
a) Conductor		22 (7/30) AWG TC		0.030	
b) Insulation		0.010" Wall, Nom. PVC, Semi Rigid		0.050	
(1) Color Code		Alpha Wire Color Code F			
Cond	Color	Cond	Color	Cond	Color
1	BLACK	15	BLUE/WHITE	29	WHITE/RED/GREEN
2	WHITE	16	BLACK/RED	30	RED/BLACK/GREEN
3	RED	17	WHITE/RED	31	GREEN/BLACK/ORANGE
4	GREEN	18	ORANGE/RED	32	ORANGE/BLACK/GREEN
5	ORANGE	19	BLUE/RED	33	BLUE/WHITE/ORANGE
6	BLUE	20	RED/GREEN	34	BLACK/WHITE/ORANGE
7	WHITE/BLACK	21	ORANGE/GREEN	35	WHITE/RED/ORANGE
8	RED/BLACK	22	BLACK/WHITE/RED	36	ORANGE/WHITE/BLUE
9	GREEN/BLACK	23	WHITE/BLACK/RED	37	WHITE/RED/BLUE
10	ORANGE/BLACK	24	RED/BLACK/WHITE	38	BLACK/WHITE/GREEN
11	BLUE/BLACK	25	GREEN/BLACK/WHITE	39	WHITE/BLACK/GREEN
12	BLACK/WHITE	26	ORANGE/BLACK/WHITE	40	RED/WHITE/GREEN
13	RED/WHITE	27	BLUE/BLACK/WHITE		
14	GREEN/WHITE	28	BLACK/RED/GREEN		
2) Cable Assembly		40 Components Cabled			
a) Twists:		2.2 Twists/foot (min)			
3) Jacket		0.032" Wall, Nom.,PVC		0.429 (0.452 Max.)	
a) Color(s)		SLATE			
b) Print		ALPHA WIRE-* P/N 882240 40C 22 AWG (UL) TYPE CL2 90C OR AWM 2464 80C 300V C(RU) AWM II A/B 105C 300V FT4 CE ROHS * = Factory Code			

## Applicable Specifications

1) UL	AWM/STYLE 2464	80°C / 300 V <sub>RMS</sub>
	CL2	90°C
2) CSA International	C(RU) AWM II A/B	105°C / 300 V <sub>RMS</sub>
	FT4	
3) CE:	EU Low Voltage Directive 2006/95/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. No Exemptions are required for RoHS Compliance on this item. Consult Alpha Wire's web site for RoHS C of C.
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. For up-to-date information, please see Alpha's REACH SVHC Declaration.

## Properties

Physical & Mechanical Properties	
1) Temperature Range	-20 to 105°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	220 Lbs, Maximum
Electrical Properties (For Engineering purposes only)	
1) Voltage Rating	300 V <sub>RMS</sub>
2) Capacitance	23.5 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Inductance	0.18 µH/ft, Nominal
4) Conductor DCR	16.5 Ω/1000ft @20°C, Nominal

## Other

<b>Packaging</b>	Flange x Traverse x Barrel (inches)
a) 1000 FT	24 x 14 x 12 Continuous length
b) 500 FT	18 x 12 x 8 Continuous length
c) 100 FT	12 x 10 x 5 Continuous length
d) Bulk(Made-to-order)	
	<i>[Spool dimensions may vary slightly]</i>

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# EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 882240

882240 , RoHS-Compliant Commencing With 7/1/2005 Production

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, with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. The reader is referred to this Directive for the specific definitions and extents of this Directive. **No Exemptions are required for RoHS Compliance on this item.** It should be noted that this product does not fall within the scope of Directive 2011/65/EU, but this Certificate is offered for cases where this product will be used within EEE that does fit within the Directive's scope. 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 11364-2006.

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)

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 Company:

Dave Watson, Director of Engineering & QA

4/30/2013