

Customer Specification

PART NO. 882220

Construction

		Diameters (In)	
1) Component 1	20 X 1 COND		
a) Conductor	22 (7/30) AWG Tinned Copper		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
1	BLACK	8	RED/BLACK
2	WHITE	9	GREEN/BLACK
3	RED	10	ORANGE/BLACK
4	GREEN	11	BLUE/BLACK
5	ORANGE	12	BLACK/WHITE
6	BLUE	13	RED/WHITE
7	WHITE/BLACK	14	GREEN/WHITE
15	BLUE/WHITE		
16	BLACK/RED		
17	WHITE/RED		
18	ORANGE/RED		
19	BLUE/RED		
20	RED/GREEN		
2) Cable Assembly	20 Components Cabled		
a) Twists:	3.2 Twists/foot (min)		
b) Orientation:	Components to be arranged from INSIDE LAYER to OUTSIDE LAYER		
3) Jacket	0.032" Wall, Nom.,PVC		0.326 (0.344 Max.)
a) Color(s)	SLATE		
b) Print	ALPHA WIRE-* P/N 882220 20C 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 _{RMS}
	CL2	90°C
2) CSA International	C(RU) AWM II A/B	105°C / 300 V _{RMS}
	FT4	
3) 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.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-20 to 105°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	110 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	300 V _{RMS}
2) Capacitance	22.8 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

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	18 x 14.25 x 8 Continuous length
b) 500 FT	12 x 10.5 x 5 Continuous length
c) 100 FT	10.5 x 5 x 3.5 Continuous length
d) Bulk(Made-to-order)	
	<i>[Spool dimensions may vary slightly]</i>

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EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 882220

882220, RoHS-Compliant Commencing With 7/1/2005 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

Lead
Mercury
Cadmium
Hexavalent Chromium
Polybrominated Biphenyls (PBB)
Polybrominated Diphenyl Ethers (PBDE) ,
Including Deca-BDE
Bis(2-ethylhexyl) phthalate (DEHP)
Butyl benzyl phthalate (BBP)
Dibutyl phthalate (DBP)
Diisobutyl phthalate (DIBP)

Maximum Control Value

0.1% by weight (1000 ppm)
0.1% by weight (1000 ppm)
0.01% by weight (100 ppm)
0.1% by weight (1000 ppm)
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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