

Customer Specification

PART NO. SF61114CY

Construction

					Diameters	(In)	
1) Component 1	4 X 1 COND	4 X 1 COND					
a) Conductor	14 (41/30) AWG Tinned Co	14 (41/30) AWG Tinned Copper			0.073		
b) Insulation	0.016" Wall, Nom. PVC/ 0.	0.016" Wall, Nom. PVC/ 0.005" Wall NYLON			0.115		
(1) Print	ALPHANUMERIC NUMBER	ALPHANUMERIC NUMBERS - 1-ONE ALTERNATING AND					
(2) Color Code	Alpha Wire Color Code KX						
Cond	Color	Cond		Color	Cond		Color
1	GREEN/YELLOW	3		BLACK#2			
2	BLACK#1	4		BLACK#3			
2) Cable Assembly	4 Components Cabled						
a) Twists:	4.0 Twists/foot (min)						
b) Orientation:	Components to be arrang	Components to be arranged from INSIDE LAYER to OUTSIDE LAYER					
c) Core Wrap	Polyester Fabric Tape, 25%	Polyester Fabric Tape, 25% Overlap, Min.					
3) Shield:	A/P/A Tape, 25% Overlap, Min.						
a) Drain Wire	20 (19/32) AWG Tinned Co	20 (19/32) AWG Tinned Copper					
b) Braid	Tinned Copper,85% Cover	Tinned Copper,85% Coverage, Min.					
4) Jacket	0.055" Wall, Nom.,TPE	0.055" Wall, Nom.,TPE			0.441+/- 0.020		
a) Color(s)	ORANGE						
b) Jacket Separator	Tissue Tape, 25% Overlap,	Tissue Tape, 25% Overlap, Min.					
c) Print ALPHA WIRE-* P/N SF61114CY 4C 14 AWG THHN E324185 (UL) WTTC 90C 1000 VOLT OR (UL) TC-ER 90C 600V OIL RES I/II SUN RES OR C(UL) CIC CONTROL/TC 90C PVC/NYLON INS SHIELDED FT4 14 AWG OR C(RU) AWM I/II A/B 90C 600V FT4 CE ROHS (DATE CODE) (SEQ FOOTAGE) * = Factory Code [Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]							

Applicable Specifications

1) UL			
a) Component 1	THHN	90°C / 600 V _{RMS}	
b) Overall	ТС	90°C / 600 V _{RMS}	
	EXPOSED RUN		
	OIL RES I/II		
	SUN RES		
	WTTC	90°C / 1000 V _{RMS}	
2) CSA International	C(RU) AWM I/II A/B	90°C / 600 V _{RMS}	
	FT4		
	C(UL) CIC CONTROL	90°C / 600 V _{RMS}	
	C(UL) TC	90°C / 600 V _{RMS}	
3) Other	Conductors NEMA Class K		
	Conductors IEC Class 5 on AWG size		
4) CE:	EU Low Voltage Directive 2014/35/EU		

Environmental

1) EU Directive 2011/65/EU(F	oHS2), EU Directive 2015/863/EU (RoHS3):
	All materials used in the manufacture of this part are in compliance with European Directive 2011/65/EU and the amending Directive 2015/863/EU of 4 June 2015 regarding the restriction of use of certain hazardous substances in electrical and electronic equipment.
2) REACH Regulation (EC 190	17/2006):
	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.
3) 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

30 to 90°C(static), -5 to 90°C (dynamic) 10X Cable Diameter(static), 10X Cable Diameter(dynamic) 147 Lbs, Maximum /es
147 Lbs, Maximum
loc
les
For Engineering purposes only)
500 V _{RMS}
18 pF/ft @1 kHz, Nominal Conductor to Conductor
36 pF/ft @1 kHz, Nominal
).17 μH/ft, Nominal
2.8 Ω/1000ft @20°C, Nominal
l.66 Ω/1000ft @20°C, Nominal

Other

Flange x Traverse x Barrel (inches)		
24 x 14 x 12 Continuous length		
18 x 9 x 8 Continuous length		
12 x 5.94 x 5 Continuous length		
[Spool dimensions may vary slightly]		
quirements of NFPA-79		
b) Suitable for intermittent or light duty flexing where cycle count will be less than 1,000,000 cycles.		
	24 x 14 x 12 Continuous length 18 x 9 x 8 Continuous length 12 x 5.94 x 5 Continuous length [Spool dimensions may vary slightly] quirements of NFPA-79	

www.alphawire.com

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EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: SF61114CY

SF61114CY, RoHS-Compliant Commencing With 12/22/2008 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 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 5/6/2024

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