

Customer Specification

PART NO. 77115

Construction

					Diameters (In)
1) Compone	nt 1	12 X 1 COND			
·		20 (7/28) AWG Tinr	ned Copper		0.038
b) Insulation 0.010"		0.010" Wall, Nom. N	ИРРЕ	0.058	
(1) Color Code Alpha		Alpha Wire Color C	ode E		
Cond	Color	Cond	Color	Cond	Color
1	BLACK	5	YELLOW	9	SLATE
2	BROWN	6	GREEN	10	WHITE
3	RED	7	BLUE	11	WHITE/BLACK
4	ORANGE	8	VIOLET	12	WHITE/BROWN
2) Cable Assembly		12 Components Cabled			
a) Twists:		4.4 Twists/foot (min)			
b) Orientation:		Components to be arranged from INSIDE LAYER to OUTSIDE LAYER			R
c) Core Wrap		Nonwoven Polyester Tape, 25% Overlap, Min.			
3) Shield: Alum/My		Alum/Mylar Tape, 2	5% Overlap, Min.		
a) Foil Direction Foil Fac		Foil Facing In			
b) Drain Wire 20 (20 (7/28) AWG Tinned Copper			
4) Jacket 0		0.032" Wall, Nom.,MPPE			0.313 (0.328 Max.)
a) Color(s) SLATE		SLATE			<u></u>
b) Ripcord 1 End 81		1 End 810 Denier N	ylon		
c) Print		ALPHA WIRE-* P/N 77115 12C 20 AWG ECOCABLE(R) RU AWM 21915 105C 600V C(RU) AWM I/II A/B FT2 600V 105C CE ROHS (SEQ FOOTAGE) * = Factory Code			

Applicable Specifications

1) UL			
a) Component 1	AWM/STYLE 11231	105°C / 600 V _{RMS}	
o) Overall	AWM/STYLE 21915	105°C / 600 V _{RMS}	
	Horizontal Flame		
2) CSA International	C(RU) AWM I/II A/B FT2	105°C / 600 V _{RMS}	
3) Other	Halogen-Free		
	NFPA 79 - 2015 Compliant		
4) CE:	EU Low Voltage Directive 2014/35/EU		

Environmental

	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 Exemption are required for RoHS Compliance on this item.
2) REACH Regulation (EC 190)7/2006):
	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

Physical & Mechanical Properties				
1) Temperature Range	-50 to 105°C			
2) Bend Radius	6X Cable Diameter			
3) Pull Tension	114 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	0.17 μH/ft, Nominal			
5) Conductor DCR	10.3 Ω/1000ft @20°C, Nominal			
6) OA Shield DCR	8.3 Ω/1000ft @20°C, Nominal	_		

Other

Packaging	Flange x Traverse x Barrel (inches)	
a) 1000 FT	18 x 9 x 8 Continuous length	
b) 100 FT	10.5 x 5 x 3.5 Continuous length	
	[Spool dimensions may vary slightly]	
	Espool dimensions may vary stignttyj	

www.alphawire.com

Alpha Wire 2200 US Highway 27 South Richmond, IN 47374

Tel: 1-800-52 ALPHA

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EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 77115

77115, RoHS-Compliant Commencing With 10/12/2012 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

Alpha Wire 2200 US Highway 27 South Richmond, IN 47374 Tel: 1-908-925-8000