

Customer Specification

PART NO. 5110/60C

Construction

						Diameters (In)	-
1) Component 1						60 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 E	
Cond	Color	Cond	Color	Cond	Color		
1	BLACK	21	WHITE/BL/	41	WHITE/OR,		
2	BROWN	22	WHITE/BL/	42	WHITE/OR		
3	RED	23	WHITE/BL/	43	WHITE/OR,		
4	ORANGE	24	WHITE/BL/	44	WHITE/OR,		
5	YELLOW	25	WHITE/BL/	45	WHITE/OR,		
6	GREEN	26	WHITE/BL/	46	WHITE/YEL		
7	BLUE	27	WHITE/BL/	47	WHITE/YEL		
8	VIOLET	28	WHITE/BR	48	WHITE/YEL		
9	SLATE	29	WHITE/BR	49	WHITE/YEL		
10	WHITE	30	WHITE/BR	50	WHITE/GRI		
11	WHITE/BL	31	WHITE/BR	51	WHITE/GRI		
12	WHITE/BR	32	WHITE/BR	52	WHITE/GRI		
13	WHITE/RE	33	WHITE/BR	53	WHITE/BLL		
14	WHITE/OR	34	WHITE/BR	54	WHITE/BLL		
15	WHITE/YEI	35	WHITE/RE	55	WHITE/VIC		
16	WHITE/GR	36	WHITE/RE	56	WHITE/BLA		
17	WHITE/BLI	37	WHITE/RE	57	WHITE/BLA		
18	WHITE/VIC	38	WHITE/RE	58	WHITE/BLA		
19	WHITE/SL/	39	WHITE/RE	59	WHITE/BLA		
20	WHITE/BL	40	WHITE/RE	60	WHITE/BLA		
2) Cabl	le Assembly					60 Components Cabled	
a) Twis	ts:					1.8 Twists/foot (min)	
b) Orie	ntation:					Components to be arranged from INSIDE LAYER to OUTSIDE LAYER	
c) Core	e Wrap					Nonwoven Polyester Tape, 20% Overlap, Min.	
3) Shie	ld:					A/P/A Tape, 20% Overlap, Min.	
a) Drai	n Wire					22 (7/30) AWG Tinned Copper	
b) Brai	d					Tinned Copper,70% Coverage, Nom.	
						0.053" Wall, Nom.,PVC	0.588 (0.618 Max.)
						Slate, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White	
b) Ripcord						1 End 810 Denier Nylon	
c) Print						ALPHA WIRE-* P/N 5110/60C 60C 22 AWG XTRAGUARD(R) 1 SHIELDED (UL) TYPE CM 105C SUN RES OR AWM 2464 80C 300V OR AWM 2517 105C 300V VW-1 LLXXXXXX CSA 105C TYPE CMG FT4 CE ROHS OIL RESISTANT (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	AWM/STYLE 10002	105°C / 300 V _{RMS}
b) Overall	AWM/STYLE 2517	105°C / 300 V _{RMS}
	SUN RES	
	AWM/STYLE 2464	80°C / 300 V _{RMS}
	СМ	105°C
	VW-1	
2) CSA International	CMG	105°C
	FT4	
3) IEC	EN 60332-1 Flame Behavior	
	EN 60332-2 Flame Behavior	
4) Other	Oil Resistant	
5) 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.
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	-35 to 105°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	344 Lbs, Maximum
4) Sunlight Resistance	Yes
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	300 V _{RMS}
2) Capacitance	35 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	63 pF/ft @1 kHz, Nominal
4) Inductance	0.18 μH/ft, Nominal
5) Conductor DCR	16.5 Ω/1000ft @20°C, Nominal
6) OA Shield DCR	1.8 Ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)	
a) 1000 FT	30 x 14 x 12 Continuous length	
b) 500 FT	24 x 14 x 12 Continuous length	
c) 100 FT	18 x 9 x 8 Continuous length	
d) Bulk(Made-to-order)		
	[Spool dimensions may vary slightly]	
Notes:		
a) Oil Resistant Jacket (7d @ 60C).		

www.alphawire.com

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Alpha Wire 0005110/60C

5110/60C000RoHS0000 2005/8/1 00000

DDDDLeadMercuryCadmiumHexavalent ChromiumPolybrominated Biphenyls (PBB)Polybrominated Diphenyl Ethers (PBDE),Including Deca-BDEBis(2-ethylhexyl) phthalate (DEHP)Butyl benzyl phthalate (BBP)Dibutyl phthalate (DBP)Diisobutyl phthalate (DIBP)

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2025/9/16