

Customer Specification

PART NO. 5160/15C

Construction

						Diameters (In)	
1) Component 1						15 X 1 COND	
a) Con	•					20 (7/28) AWG Tinned Copper	0.038
b) Insu	lation					0.016" Wall, Nom. PVC	0.070
(1) Col	or Code					Alpha Wire Color Code D	
Cond	Color	Cond	Color	Cond	Color		•
1	BLACK	6	BLUE	11	PINK		
2	RED	7	BROWN	12	TAN		
3	WHITE	8	YELLOW	13	RED/GREEN		
4	GREEN	9	VIOLET	14	RED/YELLOW		
5	ORANGE	10	SLATE	15	RED/BLACK		
2) Cabl	e Assembly	/				15 Components Cabled	
a) Twis	ts:					2.5 Twists/foot (min)	
b) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER	
c) Core	Wrap					Nonwoven Polyester Tape, 20% Overlap, Min.	
3) Shie	ld:					A/P/A Tape, 20% Overlap, Min.	
a) Drai	n Wire					20 (7/28) AWG Tinned Copper	
b) Braid	d					Tinned Copper,70% Coverage, Nom.	
4) Jacket						0.032" Wall, Nom.,PVC	0.419 (0.436 Max.)
a) Color(s)						Slate, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White	
b) Ripo	ord					1 End 810 Denier Nylon	
c) Print						ALPHA WIRE-* P/N 5160/15C 15C 20 AWG XTRAGUARD(R) 1 SHIELDED (UL) TYPE CM 105C SUN RES OR AWM 2464 80C 300V OR AWM 2517 105C 300V VW-1 OR C(UL) TYPE CMG 105C 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 1569	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	C(UL) TYPE 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	-30 to 105°C			
2) Bend Radius	10X Cable Diameter			
3) Pull Tension	146 Lbs, Maximum			
4) Sunlight Resistance	Yes			
Electrical Properties	(For Engineering purposes only)			
1) Voltage Rating	300 V _{RMS}			
2) Capacitance	39 pF/ft @1 kHz, Nominal Conductor to Conductor			
3) Ground Capacitance	70 pF/ft @1 kHz, Nominal			
4) Inductance	0.19 μH/ft, Nominal			
5) Conductor DCR	10.2 Ω/1000ft @20°C, Nominal			
6) OA Shield DCR	2.16 Ω/1000ft @20°C, Nominal			

Other

Packaging	Flange x Traverse x Barrel (inches)		
a) 1000 FT	24 x 14 x 12 Continuous length		
b) 500 FT	18 x 9 x 8 Continuous length		
c) 100 FT	12 x 5.94 x 5 Continuous length		
d) Bulk(Made-to-order)			
	[Spool dimensions may vary slightly]		
Notes:			
a) Oil Resistant Jacket (7d @ 60C).			
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www.alphawire.com

Alpha Wire 2200 US Highway 27 South Richmond, IN 47374

Tel: 1-800-52 ALPHA

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Lead Mercury □□□□□□□□0.1% (1000 ppm) Cadmium Hexavalent Chromium □□□□□□□□0.1% (1000 ppm) Polybrominated Biphenyls (PBB) □□□□□□□□0.1% (1000 ppm) Polybrominated Diphenyl Ethers (PBDE), □□□□□□□□0.1% (1000 ppm) Including Deca-BDE Bis(2-ethylhexyl) phthalate (DEHP) Butyl benzyl phthalate (BBP) Dibutyl phthalate (DBP) □□□□□□□□0.1% (1000 ppm) Diisobutyl phthalate (DIBP)

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