

Customer Specification

PART NO. 5133C

Construction

						Diameters (In)	
1) Component 1						3 X 1 PAIR	
a) Conductor						18 (16/30) AWG Tinned Copper	0.047
b) Insulation (1) Color Code						0.016" Wall, Nom. PVC	0.079
						Alpha Wire Color Code A	
Pair	Color	Pair	Color	Pair	Color		
1	BLACK-RED	2	BLACK- WHITE	3	BLACK- GREEN		
c) Pair						2/Cond Cabled Together	
(1) Tv	wists:					5.3 Twists/foot (min)	
2) Ca	ble Assembly					3 Components Cabled	
a) Tw	vists:					3.0 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) Shield:						A/P/A Tape, 20% Overlap, Min.	
a) Drain Wire					18 (16/30) AWG Tinned Copper		
b) Braid						Tinned Copper,70% Coverage, Nom.	
4) Jacket						0.032" Wall, Nom.,PVC	0.376 (0.391 Max.
a) Color(s)						Slate, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White	
b) Ripcord						1 End 810 Denier Nylon	
c) Print						ALPHA WIRE-* P/N 5133C 3PR 18 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	93 Lbs, Maximum				
4) Sunlight Resistance	Yes				
Electrical Properties	(For Engineering purposes only)				
1) Voltage Rating	300 V _{RMS}				
2) Mutual Capacitance	34 pF/ft @1 kHz, Nominal				
3) Ground Capacitance	61 pF/ft @1 kHz, Nominal				
4) Characteristic Impedance	62 Ω				
5) Inductance	0.18 μH/ft, Nominal				
6) Conductor DCR	7.1 Ω/1000ft @20°C, Nominal				
7) OA Shield DCR	2.32 Ω/1000ft @20°C, Nominal	_			

Other

18 x 14.25 x 8 Continuous length 13.5 x 10 x 4 Continuous length
12 F 04 F Cantinuous lameth
12 x 5.94 x 5 Continuous length
[Spool dimensions may vary slightly]

www.alphawire.com

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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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ППППППП Dave Watson 2025/3/31