

# **Customer Specification**

## **PART NO. 5362C**

#### Construction

						Diameters (In)	
1) Component 1						2 X 1 COND	
a) Cond	ductor					16 (19/.0117) AWG Tinned Copper	0.059
b) Insul	ation					0.016" Wall, Nom. PVC	0.091
(1) Colc	) Color Code					Alpha Wire Color Code D	
Cond	Color BLACK	Cond 2	Color RED	Cond	Color		_
2) Cable	e Assembly					2 Components Cabled	
a) Twists:						4.8 Twists/foot (min)	
b) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER	
c) Core Wrap						Nonwoven Polyester Tape, 25% Overlap, Min.	
3) Shield:						Alum/Mylar Tape, 25% Overlap, Min.	
a) Foil Direction						Foil Facing In	
b) Drain Wire					16 (19/.0117) AWG Tinned Copper		
4) Jacke	et					0.032" Wall, Nom.,PVC	0.254 (0.265 Max.
a) Coloi	r(s)					Slate, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White	
b) Ripco	ord					1 End 810 Denier Nylon	
c) Print						ALPHA WIRE-* P/N 5362C 2C 16 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 <sub>RMS</sub>
b) Overall	AWM/STYLE 2517105°C / 300 V <sub>RMS</sub> SUN RESAWM/STYLE 246480°C / 300 V <sub>RMS</sub> CM105°CVW-1C(UL) TYPE CMG105°CFT4EN 60332-1 Flame BehaviorEN 60332-2 Flame BehaviorOil Resistant	105°C / 300 V <sub>RMS</sub>
	SUN RES	
	AWM/STYLE 2464	80°C / 300 V <sub>RMS</sub>
	CM	105°C
	VW-1	
2) CSA International	C(UL) TYPE CMG	105°C
	FT4	
3) IEC	FT4 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	61 Lbs, Maximum	
4) Sunlight Resistance	Yes	
<b>Electrical Properties</b>	(For Engineering purposes only)	
1) Voltage Rating	300 V <sub>RMS</sub>	
2) Capacitance	57 pF/ft @1 kHz, Nominal Conductor to Conductor	
3) Ground Capacitance	103 pF/ft @1 kHz, Nominal	
4) Characteristic Impedance	37 Ω	
5) Inductance	0.17 μH/ft, Nominal	
6) Conductor DCR	4.3 Ω/1000ft @20°C, Nominal	
7) OA Shield DCR	3.9 Ω/1000ft @20°C, Nominal	

#### Other

Packaging	Flange x Traverse x Barrel (inches)	
a) 1000 FT	13.5 x 10 x 4 Continuous length	
b) 500 FT	12 x 5.94 x 5 Continuous length	
c) 100 FT	10.5 x 5 x 3.5 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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Tel: 1-800-52 ALPHA

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Alpha Wire DDDD5362C

5362CDDDRoHSDDDD 2005/8/1 DDDDDD

DDDD Lead Mercury Cadmium Hexavalent Chromium Polybrominated Biphenyls (PBB) Polybrominated Diphenyl Ethers (PBDE), Including Deca-BDE Bis(2-ethylhexyl) phthalate (DEHP) Butyl benzyl phthalate (BBP) Dibutyl phthalate (DBP) Disobutyl phthalate (DIBP) 

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2025/4/19