

Customer Specification

PART NO. 5947

Construction

						Diameters (In)	
1) Component 1						6 X 1 PAIR	
a) Conductor						28 (7/36) AWG Tinned Copper	0.015
b) Insulation						0.010" Wall, Nom. PVC, Semi Rigid	0.035
(1) Co	olor Code					Alpha Wire Color Code B	
Pair	Color	Pair	Color	Pair	Color		
1	WHITE- BLACK	3	WHITE-RED	5	WHITE- YELLOW		
2	WHITE- BROWN	4	WHITE- ORANGE	6	WHITE- GREEN		
c) Pai	r					2/Cond Cabled Together	
(1) Tv	vists:					12.0 Twists/foot (min)	
2) Ca	ble Assembly					6 Components Cabled	
a) Tw	ists:					4.8 Twists/foot (min)	
b) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER	
c) Co	re Wrap					Nonwoven Polyester Tape, 25% Overlap, Min.	
3) Shi	ield:					A/P/A Tape, 25% Overlap, Min.	
a) Drain Wire						28 (7/36) AWG Tinned Copper	
b) Braid						Tinned Copper,70% Coverage, Nom.	
4) Jacket						0.032" Wall, Nom.,PVC	0.270 (0.287 Max.)
a) Color(s)						Slate, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White	
b) Ripcord						1 End 810 Denier Nylon	
c) Prii	nt					ALPHA WIRE-* P/N 5947 6PR 28 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.]	

1) UL		
a) Component 1	AWM/STYLE 10002	105°C / 300 V _{RMS}
b) Overall	AWM/STYLE 2464	80°C / 300 V _{RMS}
	СМ	105°C
	VW-1	
	AWM/STYLE 2517	105°C / 300 V _{RMS}
	SUN RES	
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	
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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	21.8 Lbs, Maximum	
4) Sunlight Resistance	Yes	
Electrical Properties	(For Engineering purposes only)	
1) Voltage Rating	300 V _{RMS}	
2) Mutual Capacitance	19.1 pF/ft @1 kHz, Nominal	
3) Ground Capacitance	34 pF/ft @1 kHz, Nominal	
4) Characteristic Impedance	98 Ω	
5) Inductance	0.22 μH/ft, Nominal	
6) Conductor DCR	66 Ω/1000ft @20°C, Nominal	
7) OA Shield DCR	4 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 10.5 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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Alpha Wire DDDD5947

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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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