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□□□ 85825

### **Construction**

						Diameters (In)	
1) Component 1						25 X 1 COND	
					18 (105(7x15)/38) AWG Bare Copper	0.052	
b) Insu	lation					0.022" Wall, Nom. PVC	0.096
1/1\ Drint						ALPHANUMERIC NUMBERS - 1-ONE ALTERNATING AND INVERTED	
(2) Col	or(s)						
Cond	Color	Cond	Color	Cond	Color		
1	RED #1	10	RED #10	19	RED #19		
2	RED #2	11	RED #11	20	RED #20		
3	RED #3	12	RED #12	21	RED #21		
4	RED #4	13	RED #13	22	RED #22		
5	RED #5	14	RED #14	23	RED #23		
6	RED #6	15	RED #15	24	RED #24		
7	RED #7	16	RED #16	25	YELLOW/GREEN,		
8	RED #8	17	RED #17				
9	RED #9	18	RED #18				
2) Cable Assembly					25 Components Cabled		
a) Twists:					2.0 Twists/foot (min)		
b) Orientation:					Components to be arranged from INSIDE LAYER to OUTSIDE LAYER		
c) Core	Wrap					REMAY Tape, 25% Overlap, Min.	
3) Jack	et					0.065" Wall, Nom.,PVC, Oil Resistant	0.767+/- 0.039
a) Color(s)					BLACK		
b) Jacket Separator					Tissue Tape, 25% Overlap, Min.		
c) Print						ALPHA WIRE-* P/N 85825 25C 18 AWG XTRAGUARD(R) CONTINUOUS FLEX CONTROL CABLE RU AWM 2587 CONSTANT FLEXING OR CRU AWM I/II A/B FT1 90C 600V CE ROHS (SEQ FOOTAGE) * = Factory Code	

1) UL		
a) Component 1	AWM/STYLE 10012	90°C / 600 V <sub>RMS</sub>
b) Overall	AWM/STYLE 2587	90°C / 600 V <sub>RMS</sub>
2) CSA International	C(RU) AWM I/II A/B	90°C / 600 V <sub>RMS</sub>
	FT1	
3) Other VDE 0472, Section 803 Oil Test		
4) 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	-40 to 90°C(static), -5 to 90°C (dynamic)		
2) Bend Radius	8X Cable Diameter(static), 8X Cable Diameter(dynamic)		
3) Pull Tension	330 Lbs, Maximum		
Electrical Properties	(For Engineering purposes only)		
1) Voltage Rating	600 V <sub>RMS</sub>		
2) Capacitance	27 pF/ft @1 kHz, Nominal Conductor to Conductor		
3) Inductance	0.19 μH/ft, Nominal		
4) Conductor DCR	6.7 Ω/1000ft @20°C, Nominal		

## Other

Packaging	Flange x Traverse x Barrel (inches)	Flange x Traverse x Barrel (inches)		
a) 1000 FT	36 x 14 x 12 Continuous length			
b) 500 FT	30 x 14 x 12 Continuous length			
c) 100 FT	24 x 14 x 12 Continuous length			
	[Spool dimensions may vary slightly]			

#### www.alphawire.com

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□□□□□□□□0.1% (1000 ppm) Lead Mercury □□□□□□□□0.01% (100 ppm) Cadmium Hexavalent Chromium □□□□□□□□0.1% (1000 ppm) Polybrominated Biphenyls (PBB) Polybrominated Diphenyl Ethers (PBDE), Including Deca-BDE Bis(2-ethylhexyl) phthalate (DEHP) □□□□□□□□0.1% (1000 ppm) Butyl benzyl phthalate (BBP) Dibutyl phthalate (DBP) □□□□□□□□0.1% (1000 ppm) Diisobutyl phthalate (DIBP) □□□□□□□□0.1% (1000 ppm)

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