

Customer Specification

PART NO. 85650

Construction

						Diameters (In)	
1) Component 1						50 X 1 COND	
a) Conductor						16 (168(7x24)/38) AWG Bare Copper	0.067
b) Insulation						0.022" Wall, Nom. PVC	0.111
(1) Print						ALPHANUMERIC NUMBERS - 1-ONE ALTERNATING AND INVERTED	
(2) Color(s)							
Cond	Color	Cond	Color	Cond	Color		
1	RED #1	18	RED #18	35	RED #36		
2	RED #2	19	RED #19	36	RED #36		
3	RED #3	20	RED #20	37	RED #37		
4	RED #4	21	RED #21	38	RED #38		
5	RED #5	22	RED #22	39	RED #39		
6	RED #6	23	RED #23	40	RED #40		
7	RED #7	24	RED #24	41	RED #41		
8	RED #8	25	RED #25	42	RED #42		
9	RED #9	26	RED #26	43	RED #43		
10	RED #10	27	RED #27	44	RED #44		
11	RED #11	28	RED #28	45	RED #45		
12	RED #12	29	RED #29	46	RED #46		
13	RED #13	30	RED #30	47	RED #47		
14	RED #14	31	RED #31	48	RED #48		
15	RED #15	32	RED #32	49	RED #49		
16	RED #16	33	RED #33	50	YELLOW/GREEN		
17	RED #17	34	RED #34				
2) Cable Assembly						50 Components Cabled	
a) Twists:						1.3 Twists/foot (min)	
b) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER	
c) Core Wrap						REMAI Tape, 25% Overlap, Min.	
3) Jacket						0.085" Wall, Nom.,PVC, Oil Resistant	1.161 +/- 0.052
a) Color(s)						BLACK	
b) Jacket Separator						Tissue Tape, 25% Overlap, Min.	
c) Print						ALPHA WIRE-* P/N 85650 50C 16 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	

Applicable Specifications

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1) UL		
a) Component 1	AWM/STYLE 10012	90°C / 600 V _{RMS}
b) Overall	AWM/STYLE 2587	90°C / 600 V _{RMS}
2) CSA International	C(RU) AWM I/II A/B	90°C / 600 V _{RMS}
	FT1	
3) Other	VDE 0472, Section 803 Oil Test	
4) 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	-40 to 90°C(static), -5 to 90°C (dynamic)
2) Bend Radius	8X Cable Diameter(static), 8X Cable Diameter(dynamic)
3) Pull Tension	1056 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	600 V _{RMS}
2) Capacitance	29 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Inductance	0.18 μH/ft, Nominal
4) Conductor DCR	4.2 Ω/1000ft @20°C, Nominal

Other

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Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	48 x 26 x 18 Continuous length
b) 500 FT	48 x 26 x 18 Continuous length
c) 100 FT	48 x 26 x 18 Continuous length
	<i>[Spool dimensions may vary slightly]</i>

www.alphawire.com

Alpha Wire
2200 US Highway 27 South
Richmond, IN 47374

Tel: 1-800-52 ALPHA

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