

# Customer Specification

## PART NO. 65618CY

### Construction

						Diameters (In)	
1) Component 1						1 X 18 COND	
a) Conductor						16 (26/30) AWG Bare Copper	0.060
b) Insulation						0.022" Wall, Nom. PVC	0.104
(1) Print						ALPHANUMERIC NUMBERS - 1-ONE ALTERNATING AND INVERTED	
(2) Color(s)							
Cond	Color	Cond	Color	Cond	Color		
1	BLACK #1	7	BLACK #7	13	BLACK #13		
2	BLACK #2	8	BLACK #8	14	BLACK #14		
3	BLACK #3	9	BLACK #9	15	BLACK #15		
4	BLACK #4	10	BLACK #10	16	BLACK #16		
5	BLACK #5	11	BLACK #11	17	BLACK #17		
6	BLACK #6	12	BLACK #12	18	YELLOW/GF		
c) Cabling						18 COND Cabled	
(1) Twists:						1.9 Twists/foot (min)	
(2) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER	
d) Jacket						0.025" Wall, Nom.,PVC, Oil Resistant	0.582+/- 0.030
(1) Color(s)						SLATE	
(2) Jacket Separator						Tissue Tape, 20% Overlap, Min.	
2) Shield						Tinned Copper BRAID Shield,85% Coverage, Nom.	
3) Jacket						0.062" Wall, Nom.,PVC, Oil Resistant	0.747+/- 0.043
a) Color(s)						SLATE	
b) Jacket Separator						Tissue Tape, 20% Overlap, Min.	
c) Print						ALPHA WIRE-* P/N 65618CY 18C 16 AWG XTRAGUARD(R) FLEXIBLE CONTROL CABLE RU AWM 2587 CLASS K OR CRU AWM I/II A/B FT1 90C 600V CE ROHS (SEQ FOOTAGE) * = Factory Code	

### Applicable Specifications

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1) UL	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) 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	5X Cable Diameter(static), 5X Cable Diameter(dynamic)
3) Pull Tension	393 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	600 V <sub>RMS</sub>
2) Capacitance	44 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	79 pF/ft @1 kHz, Nominal
4) Inductance	0.18 μH/ft, Nominal
5) Conductor DCR	4.1 Ω/1000ft @20°C, Nominal
6) OA Shield DCR	0.87 Ω/1000ft @20°C, Nominal

## Other

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Packaging	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	18 x 9 x 8 Continuous length
	<i>[Spool dimensions may vary slightly]</i>

[www.alphawire.com](http://www.alphawire.com)

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