



□□□ **65012CY** 

### **Construction**

						Diameters (In)	
1) Component 1						1 X 12 COND	
a) Conductor						20 (10/30) AWG Bare Copper	0.037
b) Insulation						0.022" Wall, Nom. PVC	0.081
(1) Print						ALPHANUMERIC NUMBERS - 1-ONE ALTERNATING AND INVERTED	
(2) Col	or(s)						
Cond	Color	Cond	Color	Cond	Color		
1	BLACK #1	5	BLACK #5	9	BLACK #9		
2	BLACK #2	6	BLACK #6	10	BLACK #10		
3	BLACK #3	7	BLACK #7	11	BLACK #11		
4	BLACK #4	8	BLACK #8	12	YELLOW/GRE		
c) Cabling						12 COND Cabled	
(1) Twi	sts:					3.0 Twists/foot (min)	
(2) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER	
d) Jacket						0.020" Wall, Nom.,PVC, Oil Resistant	0.383+/- 0.024
(1) Col	or(s)					SLATE	
(2) Jack	cet Separato	or				Tissue Tape, 20% Overlap, Min.	
2) Shie	ld					Tinned Copper BRAID Shield,85% Coverage, Nom.	
3) Jack	et					0.040" Wall, Nom.,PVC, Oil Resistant	0.491+/- 0.033
a) Color(s)						SLATE	
b) Jacket Separator						Tissue Tape, 20% Overlap, Min.	
c) Print						ALPHA WIRE-* P/N 65012CY 12C 20 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**

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**

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.
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.
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**

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	103 Lbs, Maximum	
<b>Electrical Properties</b>	(For Engineering purposes only)	
1) Voltage Rating	600 V <sub>RMS</sub>	
2) Capacitance	33 pF/ft @1 kHz, Nominal Conductor to Conductor	
3) Ground Capacitance	59 pF/ft @1 kHz, Nominal	
4) Inductance	0.21 μH/ft, Nominal	
5) Conductor DCR	10.6 Ω/1000ft @20°C, Nominal	
6) OA Shield DCR	2.9 Ω/1000ft @20°C, Nominal	

## Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	24 x 14 x 12 Continuous length
b) 500 FT	18 x 14.25 x 8 Continuous length
c) 100 FT	18 x 9 x 8 Continuous length
	[Spool dimensions may vary slightly]
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#### www.alphawire.com

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Alpha Wire DDDD65012CY

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□□□□□□□□0.1% (1000 ppm) Lead Mercury □□□□□□□□0.01% (100 ppm) Cadmium Hexavalent Chromium □□□□□□□□0.1% (1000 ppm) □□□□□□□□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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