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Construction

						Diameters (In)		
1) Component 1						1 X 7 COND		
a) Conductor						14 (41/30) AWG Bare Copper		0.074
b) Insulation						0.022" Wall, Nom. PVC		0.118
(1) Print						ALPHANUMERIC NUMBERS - 1-ONE ALTERNATING AND INVERTED		
(2) Color(s)								
Cond	Color	Cond	Color	Cond	Color			
1	BLACK #1	4	BLACK #4	7	YELLOW/GRE			
2	BLACK #2	5	BLACK #5					
3	BLACK #3	6	BLACK #6					
c) Cabling						7 COND Cabled		
(1) Twists:						2.8 Twists/foot (min)		
(2) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER		
d) Jacket						0.020" Wall, Nom.,PVC, Oil Resistant		0.403 +/- 0.020
(1) Color(s)						SLATE		
(2) Jacket Separator						Tissue Tape, 20% Overlap, Min.		
2) Shield						Tinned Copper BRAID Shield,85% Coverage, Nom.		
3) Jacket						0.057" Wall, Nom.,PVC, Oil Resistant		0.551 +/- 0.032
a) Color(s)						SLATE		
b) Jacket Separator						Tissue Tape, 20% Overlap, Min.		
c) Print						ALPHA WIRE-* P/N 65407CY 7C 14 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 _{RMS}
2) CSA International	C(RU) AWM I/II A/B	90°C / 600 V _{RMS}
	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	240 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	600 V _{RMS}
2) Capacitance	49 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	88 pF/ft @1 kHz, Nominal
4) Inductance	0.17 μH/ft, Nominal
5) Conductor DCR	2.6 Ω/1000ft @20°C, Nominal
6) OA Shield DCR	1.52 Ω/1000ft @20°C, Nominal

Other

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