

## Customer Specification

### PART NO. 87104

### Construction

		<b>Diameters (In)</b>				
1) Component 1		4 X 1 COND				
a) Conductor		22 (19/34) AWG Bare Copper				0.031
b) Insulation		0.016" Wall, Nom. TPES				0.063
(1) Print		ALPHANUMERIC NUMBERS - 1-ONE ALTERNATING AND INVERTED				
(2) Color Code		Alpha Wire Color Code KX				
Cond	Color	Cond	Color	Cond	Color	
1	GREEN/YELLOW	3	BLACK#2			
2	BLACK#1	4	BLACK#3			
2) Cable Assembly		4 Components Cabled				
a) Twists:		3.2 Twists/foot (min)				
b) Orientation:		Components to be arranged from INSIDE LAYER to OUTSIDE LAYER				
c) Core Wrap		PTFE(skived) Tape, 25% Overlap, Min.				
3) Jacket		0.050" Wall, Nom., Polyurethane (TPU)				0.259 (0.272 Max.)
a) Color(s)		BLACK				
b) Print		ALPHA WIRE-* P/N 87104 XTRAGUARD(R) FLEXIBLE TORSION CABLE - RU AWM 20234 VW-1 OR CRU AWM I/II A/B 80C 600 VOLTS FT2 CE ROHS (SEQ FOOTAGE) * = Factory Code				

### Applicable Specifications

1) UL		
a) Component 1	AWM/STYLE 10162	80°C / 600 V <sub>RMS</sub>
b) Overall	AWM/STYLE 20234	80°C / 600 V <sub>RMS</sub>
	VW-1	
2) CSA International	C(RU) AWM I/II A/B FT2	80°C / 600 V <sub>RMS</sub>
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	-30 to 80°C(static), -10 to 80°C (dynamic)
2) Bend Radius	10X Cable Diameter(static), 15X Cable Diameter(dynamic)
3) Pull Tension	24.1 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	600 V <sub>RMS</sub>
2) Inductance	0.2 μH/ft, Nominal
3) Conductor DCR	14 Ω/1000ft @20°C, Nominal

## Other

<b>Packaging</b>	Flange x Traverse x Barrel (inches)
a) Bulk(Made-to-order)	

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

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