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# Customer Specification

## PART NO. 25162

### ProductConstruction

		Diameters (In)			
1) Component 1		2 X 1 COND			
a) Conductor		18 (16/30) AWG Tinned Copper		0.047	
b) Insulation		0.016" Wall, Nom. PVC		0.079	
(1) Color Code		Alpha Wire Color Code D			
Cond	Color	Cond	Color	Cond	Color
1	BLACK	2	RED		
2) Cable Assembly		2 Components Cabled			
a) Twists:		6.9 Twists/foot (min)			
b) Orientation:		Components to be arranged from INSIDE LAYER to OUTSIDE LAYER			
c) Core Wrap		Nonwoven Polyester Tape, 25% Overlap, Min.			
3) Shield:		A/P/A Tape, 25% Overlap, Min.			
a) Drain Wire		18 (16/30) AWG Tinned Copper			
b) Braid		Tinned Copper, 70% Coverage, Min.			
4) Jacket		0.032" Wall, Nom., Polyurethane (TPU)		0.254 (0.265 Max.)	
a) Color(s)		Slate, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White			
b) Ripcord		1 End 810 Denier Nylon			
c) Print		ALPHA WIRE-* P/N 25162 XTRAGUARD(R) 2 RU AWM 20668 VW-1 OR CRU AWM I/II A/B 90C 300 VOLTS FT1 CE ROHS (SEQ FOOTAGE) * = Factory Code			

### ProductIndustryApprovals

1) UL			
a) Component 1		AWM/STYLE 1569	105°C / 300 V <sub>RMS</sub>
b) Overall		AWM/STYLE 20668	90°C / 300 V <sub>RMS</sub>
		VW-1	
2) CSA International		C(RU) AWM I/II A/B	90°C / 300 V <sub>RMS</sub>
		FT1	
3) CE:		EU Low Voltage Directive 2014/35/EC	

### ProductEnvironmental

1) CE: EU Directive 2011/65/EU(RoHS2):	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. Consult Alpha Wire's web site for RoHS C of C.
2) California Proposition 65:	Exempt from warning labels based on the Consent Judgment. Please see Alpha's CA Prop 65 Statement for more information.

## Product Properties

Physical & Mechanical Properties	
1) Temperature Range	-30 to 90°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	42 Lbs, Maximum
4) Sunlight Resistance	Yes
Electrical Properties (For Engineering purposes only)	
1) Voltage Rating	300 V <sub>RMS</sub>
2) Capacitance	50 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	90 pF/ft @1 kHz, Nominal
4) Characteristic Impedance	42 Ω
5) Inductance	0.18 μH/ft, Nominal
6) Conductor DCR	7 Ω/1000ft @20°C, Nominal
7) OA Shield DCR	2.6 Ω/1000ft @20°C, Nominal

## Product 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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