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Construction

						Diameters (In)		
1) Component 1						7 X 1 COND		
a) Conductor						16 (19/.0117) AWG Tinned Copper		0.059
b) Insulation						0.032" Wall, Nom. PVC		0.123
(1) Color Code						Alpha Wire Color Code E		
Cond	Color	Cond	Color	Cond	Color			
1	BLACK	4	ORANGE	7	BLUE			
2	BROWN	5	YELLOW					
3	RED	6	GREEN					
2) Cable Assembly						7 Components Cabled		
a) Twists:						2.2 Twists/foot (min)		
b) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER		
c) Core Wrap						Nonwoven Polyester Tape, 20% Overlap, Min.		
3) Shield:						Alum/Mylar Tape, 20% Overlap, Min.		
a) Foil Direction						Foil Facing In		
b) Drain Wire						16 (19/.0117) AWG Tinned Copper		
4) Jacket						0.063" Wall, Nom., Polyurethane (TPU)		0.506 (0.529 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 25440/7 XTRAGUARD(R) 2 RU AWM 20669 VW-1 OR CRU AWM I/II A/B 90C 600 VOLTS FT1 CE ROHS (SEQ FOOTAGE) * = Factory Code		

Applicable Specifications

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1) UL		
a) Component 1	AWM/STYLE 1015	105°C / 600 V _{RMS}
b) Overall	AWM/STYLE 20669	90°C / 600 V _{RMS}
	VW-1	
2) CSA International		
a) Component 1	TEW	105°C / 600 V _{RMS}
b) Overall	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) 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 90°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	164 Lbs, Maximum
4) Sunlight Resistance	Yes
Electrical Properties	
	(For Engineering purposes only)
1) Voltage Rating	600 V _{RMS}
2) Capacitance	36 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	65 pF/ft @1 kHz, Nominal
4) Inductance	0.2 μH/ft, Nominal
5) Conductor DCR	4.4 Ω/1000ft @20°C, Nominal
6) OA Shield DCR	3.6 Ω/1000ft @20°C, Nominal

Other

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Packaging	Flange x Traverse x Barrel (inches)
a) Bulk(Made-to-order)	

www.alphawire.com

Alpha Wire
 2200 US Highway 27 South
 Richmond, IN 47374

Tel: 1-800-52 ALPHA

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