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Construction

						Diameters (In)		
1) Component 1						2 X 1 COND		
a) Conductor						16 (19/.0117) AWG Tinned Copper		0.059
b) Insulation						0.032" Wall, Nom. TPE		0.123
(1) Color Code						Alpha Wire Color Code E		
Cond	Color	Cond	Color	Cond	Color			
1	BLACK	2	BROWN					
2) Cable Assembly						2 Components Cabled		
a) Twists:						3.4 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) Jacket						0.055" Wall, Nom., TPE		0.360 (0.378 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 45432 2C 16 AWG XTRAGUARD(R) 4 E324185 (UL) TYPE WTTC 90C DRY 1000V OR (UL) TYPE TC 90C DRY 600V SUN RES OR AWM 20328 105C 600V 16 AWG OR CRU AWM I/II A/B 125C 600V FT1 P-07-KA140023-MSHA CE ROHS (SEQ FOOTAGE) * = Factory Code		

Applicable Specifications

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1) UL	AWM/STYLE 20328	105°C / 600 V _{RMS}
	TC	90°C / 600 V _{RMS}
	WTTC	90°C / 1000 V _{RMS}
	SUN RES	
2) CSA International	C(RU) AWM I/II A/B FT1	125°C / 600 V _{RMS}
	SUN RES (Black only)	
3) Other	PENNSYLVANIA BUREAU OF MINE SAFETY APPROVED	
4) 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	-50 to 125°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	41 Lbs, Maximum
4) Sunlight Resistance	Yes
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	600/1000 V _{RMS}
2) Capacitance	13.9 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Characteristic Impedance	114 Ω
4) Inductance	0.2 μH/ft, Nominal
5) Conductor DCR	4.3 Ω/1000ft @20°C, Nominal

Other

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