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## Construction

						Diameter ("in")	
1) Component 1						2 x 1 PAIR	
a) Conductor						20 (7/28) AWG Tinned Copper	0.038
b) Insulation						0.013" Wall, Nom. Polypropylene (PP)	0.064
(1) Color Code						Alpha Wire Color Code A	
Pair	Color	Pair	Color	Pair	Color		
1	BLACK-RED	2	BLACK-WHITE				
c) Pair						2/Cond Cabled Together	
(1) Twists						6.9 Twists/foot (min.)	
Individually Applied							
d) Shield						Foil Free Alum/Mylar Tape, 25% Overlap (min.)	
(1) Foil Direction						Foil Facing In	
(2) Drain Wire						22 (7/30) AWG Tinned Copper	
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						Clear Mylar Tape, 25% Overlap (min.)	
3) Jacket						0.047" Wall, Nom. PVC	0.331 (0.345 max.)
a) Color(s)						SLATE	
b) Print						ALPHA WIRE-* P/N 6032C 2PR 20 AWG EXXXXX SHIELDED 75C (UL) C(UL) CMG FT4 OR AWM 2493 CE ROHS * = Factory Code <i>Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.</i>	

## Applicable Specifications

1) UL	AWM/STYLE 2493	60°C
	CMG	75°C
	VW-1	
2) CSA International	C(UL) TYPE CMG	75°C
	FT4	
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 detail.

## Properties

Physical & Mechanical Properties	
1) Temperature Range	-20 to 75°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	46 lbs. (max.)
Electrical Properties	
<i>For Engineering purposes only</i>	
1) Voltage Rating	300 V <sub>RMS</sub>
2) Characteristic Impedance	61 ω
3) Inductance	0.18 μH/ft, Nominal
4) Mutual Capacitance	25 pF/ft @1 kHz, Nominal
5) Ground Capacitance	45 pF/ft @1 kHz, Nominal
6) Conductor DCR	10.3 ω/1000ft @20°C, Nominal
7) Ind. Shield DC Resistance	13.8 ω/1000ft @20°C, Nominal

## Other

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Packaging	Flange x Traverse x Barrel (inches)
a) 2000 FT	24 x 14 x 12 Continuous Length
b) 1000 FT	18 x 14.25 x 8 Continuous Length
c) 500 FT	12 x 10.5 x 5 Continuous Length
d) 100 FT	10.5 x 5 x 3.5 Continuous Length
	<i>Spool dimensions may vary slightly.</i>
<b>Note</b>	
a) 2000 ft. put-up special (made-to-order)	

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

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6032C□□□RoHS□□□□ 2004/11/1 □□□□□□

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