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Construction

						Diameter ("in")	
1) Component 1						2 x 1 PAIR	
a) Conductor						22 (SOLID) AWG Tinned Copper	0.025
b) Insulation						0.028" Wall, Nom. Polypropylene, Foam	0.081
(1) Color(s)							
Pair	Color	Pair	Color	Pair	Color		
1	BLACK-YELLOW	2	RED-BLUE				
c) Pair						2/Cond Cabled Together	
(1) Twists						5.3 Twists/foot (min.)	
2) Cable Assembly						2 Components Cabled	
a) Twists						2.8 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) Shield						Alum/Mylar Tape, 25% Overlap (min.)	
a) Foil Direction						Foil Facing In	
b) Drain Wire						22 (7/30) AWG Tinned Copper	
4) Jacket						0.040" Wall, Nom. PVC	0.375 (0.396 max.)
a) Color(s)						BLACK	
b) Print						ALPHA WIRE-* P/N 6072C 2PR 22 AWG SHIELDED 75C (UL) TYPE CM OR AWM 2668 --- LLXXXXXX CSA TYPE CMG FT4 CE ROHS * = Factory Code <i>Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.</i>	

Applicable Specifications

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1) UL	AWM/STYLE 2668	60°C / 30 V _{RMS}
	CM	75°C
2) CSA International	CMG	60°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	26 lbs. (max.)
Electrical Properties	
<i>For Engineering purposes only</i>	
1) Voltage Rating	300 V _{RMS}
2) Characteristic Impedance	150 ω +/- 8
3) Inductance	0.26 μ H/ft, Nominal
4) Mutual Capacitance	8.8 pF/ft @1 kHz, Nominal
5) Velocity of Propagation	76 %
6) Conductor DCR	17.3 ω /1000ft @20°C, Nominal
7) OA Shield DCR	6.2 ω /1000ft @20°C, Nominal
8) Attenuation, Max dB/100ft	0.13 @ 100 kHz
	0.36 @ 1 MHz
	1.01 @ 10 MHz
	2.25 @ 50 MHz

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