

## Customer Specification

### PART NO. 35076

### Construction

						Diameters (In)		
1) Component 1						6 X 1 COND		
a) Conductor						16 (19/.0117) AWG Tinned Copper		0.059
b) Insulation						0.016" Wall, Nom. PVC		0.091
(1) Color Code						Alpha Wire Color Code D		
Cond	Color	Cond	Color	Cond	Color			
1	BLACK	3	WHITE	5	ORANGE			
2	RED	4	GREEN	6	BLUE			
2) Cable Assembly						6 Components Cabled		
a) Twists:						3.0 Twists/foot (min)		
b) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER		
c) Core Wrap						Clear Mylar Tape, 20% Overlap, Min.		
3) Jacket						0.032" Wall, Nom., Polyethylene (PE)		0.341 (0.354 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 35076 6C 16 AWG XTRAGUARD(R) 3 80C 300 VOLTS CE ROHS (SEQ FOOTAGE) * = Factory Code		

### Applicable Specifications

1) CE:	EU Low Voltage Directive 2014/35/EU
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### Environmental

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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 information.

## Properties

Physical & Mechanical Properties	
1) Temperature Range	-30 to 80°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	123 Lbs, Maximum
4) Sunlight Resistance	Yes
5) Direct Burial	Yes
Electrical Properties	
	(For Engineering purposes only)
1) Voltage Rating	300 V <sub>RMS</sub>
2) Capacitance	32 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Inductance	0.17 μH/ft, Nominal
4) Conductor DCR	4.4 Ω/1000ft @20°C, Nominal

## Other

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

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

Alpha Wire  
2200 US Highway 27 South  
Richmond, IN 47374

Tel: 1-800-52 ALPHA

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