

## Customer Specification

### PART NO. 35199/30

### Construction

						Diameters (In)	
1) Component 1						30 X 1 COND	
a) Conductor						22 (7/30) AWG Tinned Copper	
b) Insulation						0.010" Wall, Nom. PVC, Semi Rigid	
(1) Color Code						Alpha Wire Color Code E	
Cond	Color	Cond	Color	Cond	Color		
1	BLACK	11	WHITE/BLA	21	WHITE/BLA		
2	BROWN	12	WHITE/BRC	22	WHITE/BLA		
3	RED	13	WHITE/REE	23	WHITE/BLA		
4	ORANGE	14	WHITE/OR	24	WHITE/BLA		
5	YELLOW	15	WHITE/YEL	25	WHITE/BLA		
6	GREEN	16	WHITE/GRI	26	WHITE/BLA		
7	BLUE	17	WHITE/BLU	27	WHITE/BLA		
8	VIOLET	18	WHITE/VIC	28	WHITE/BRC		
9	SLATE	19	WHITE/SLA	29	WHITE/BRC		
10	WHITE	20	WHITE/BLA	30	WHITE/BRC		
2) Cable Assembly						30 Components Cabled	
a) Twists:						2.5 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) Shield:						Alum/Mylar Tape, 20% Overlap, Min.	
a) Foil Direction						Foil Facing In	
b) Drain Wire						22 (7/30) AWG Tinned Copper	
4) Jacket						0.032" Wall, Nom., Polyethylene (PE)	
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 35199/30 30C 22 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

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	170 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	35 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	63 pF/ft @1 kHz, Nominal
4) Inductance	0.18 μH/ft, Nominal
5) Conductor DCR	16.5 Ω/1000ft @20°C, Nominal
6) OA Shield DCR	10.4 Ω/1000ft @20°C, Nominal

## Other

<b>Packaging</b>	Flange x Traverse x Barrel (inches)
a) Bulk(Made-to-order)	

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

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