

## **Customer Specification**

**PART NO. 35199/60**

### **Construction**

						Diameters (In)	
1) Component 1						60 X 1 COND	
a) Conductor						22 (7/30) AWG Tinned Copper	0.030
b) Insulation						0.010" Wall, Nom. PVC, Semi Rigid	0.050
(1) Color Code						Alpha Wire Color Code E	
Cond	Color	Cond	Color	Cond	Color		
1	BLACK	21	WHITE/BL	41	WHITE/OR		
2	BROWN	22	WHITE/BL	42	WHITE/OR		
3	RED	23	WHITE/BL	43	WHITE/OR		
4	ORANGE	24	WHITE/BL	44	WHITE/OR		
5	YELLOW	25	WHITE/BL	45	WHITE/OR		
6	GREEN	26	WHITE/BL	46	WHITE/YEL		
7	BLUE	27	WHITE/BL	47	WHITE/YEL		
8	VIOLET	28	WHITE/BR	48	WHITE/YEL		
9	SLATE	29	WHITE/BR	49	WHITE/YEL		
10	WHITE	30	WHITE/BR	50	WHITE/GRI		
11	WHITE/BL	31	WHITE/BR	51	WHITE/GRI		
12	WHITE/BR	32	WHITE/BR	52	WHITE/GRI		
13	WHITE/RE	33	WHITE/BR	53	WHITE/BLL		
14	WHITE/OR	34	WHITE/BR	54	WHITE/BLL		
15	WHITE/YE	35	WHITE/RE	55	WHITE/VIC		
16	WHITE/GR	36	WHITE/RE	56	WHITE/BLA		
17	WHITE/BLI	37	WHITE/RE	57	WHITE/BLA		
18	WHITE/VIC	38	WHITE/RE	58	WHITE/BLA		
19	WHITE/SL	39	WHITE/RE	59	WHITE/BLA		
20	WHITE/BL	40	WHITE/RE	60	WHITE/BLA		
2) Cable Assembly						60 Components Cabled	
a) Twists:						1.8 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)	0.521 (0.548 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 35199/60 60C 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

<b>Physical &amp; Mechanical Properties</b>	
1) Temperature Range	-30 to 80°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	335 Lbs, Maximum
4) Sunlight Resistance	Yes
5) Direct Burial	Yes
<b>Electrical Properties</b>	
	(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	9.2 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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