

ALPHA WIRE CUSTOMER PRODUCT SPECIFICATION

Part Number: 1299/30C
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Issue: 5
Issue Date: 1/16/2013
Effective Date: 2/1/2013

A. Construction

- | | | <u>Diameters (In)</u> |
|----------------|-------------------------|-----------------------|
| 1) Component 1 | 30 X 1 COND | |
| a) Conductor | 22 (7/30) AWG TC | 0.030 |
| b) Insulation | 0.010" Wall, Nom. PVC | 0.050 |
| (1) Color Code | Alpha Wire Color Code D | |

Cond	Color	Cond	Color	Cond	Color
1	BLACK	11	PINK	21	WHITE/BROWN
2	RED	12	TAN	22	WHITE/ORANGE
3	WHITE	13	RED/GREEN	23	WHITE/SLATE
4	GREEN	14	RED/YELLOW	24	WHITE/VIOLET
5	ORANGE	15	RED/BLACK	25	WHITE/BLACK/RED
6	BLUE	16	WHITE/BLACK	26	WHITE/BLACK/GREEN
7	BROWN	17	WHITE/RED	27	WHITE/BLACK/YELLOW
8	YELLOW	18	WHITE/GREEN	28	WHITE/BLACK/BLUE
9	VIOLET	19	WHITE/YELLOW	29	WHITE/BLACK/BROWN
10	SLATE	20	WHITE/BLUE	30	WHITE/BLACK/ORANGE

- | | | |
|-------------------|--|--------------------|
| 2) Cable Assembly | 30 Components Cabled | |
| a) Twists: | 2.5 Twists/foot (min) | |
| 3) Shield: | Alum/Mylar Tape, 25% Overlap, Min. | |
| a) Foil Direction | Foil Facing Out | |
| b) Drain Wire | 22 (7/30) AWG TC | |
| 4) Jacket | 0.032" Wall, Nom., PVC | 0.389 (0.410 Max.) |
| a) Color(s) | SLATE | |
| b) Print | ALPHA WIRE-* P/N 1299/30C 30C 22 AWG
SHIELDED 75C (UL) TYPE CM OR AWM 2576 --- LLXXXXXX
CSA TYPE CMG FT4 CE ROHS
* = Factory Code | |

[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]

B. Applicable Specifications

- | | | |
|----------------------|-------------------------------------|-----------------------------|
| 1) UL | AWM/STYLE 2576 | 80°C / 150 V _{RMS} |
| | CM | 75°C |
| | VW-1 | |
| 2) CSA International | CMG | 60°C |
| | FT4 | |
| 3) CE: | EU Low Voltage Directive 2006/95/EC | |

C. Environmental Compliance

- 1) CE: EU Directive 2011/65/EU(RoHS2):
This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011. No Exemptions are required for RoHS Compliance on this item. Consult Alpha Wire's web site for [RoHS C of C](#).
- 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. For up-to-date information, please see [Alpha's REACH SVHC Declaration](#).
- 3) California Proposition 65: The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

D. Physical & Mechanical Properties

- 1) Temperature Range -20 to 80°C
- 2) Bend Radius 10X Cable Diameter
- 3) Pull Tension 170 Lbs, Maximum

E. Electrical Properties

- (For Engineering purposes only)
- 1) Voltage Rating 300 V_{RMS}
 - 2) Capacitance 50 pf/ft @1 kHz, Nominal Conductor to Conductor
 - 3) Ground Capacitance 90 pf/ft @1 kHz, Nominal
 - 4) Inductance 0.18 μH/ft, Nominal

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- 5) Conductor DCR 16.5 Ω /1000ft @20°C, Nominal
- 6) OA Shield DCR 10.4 Ω /1000ft @20°C, Nominal

F. Other

- 1) Packaging Flange x Traverse x Barrel (inches)
 - a) 1000 FT 20 x 11 x 8 Continuous length
 - b) 500 FT 16 x 11 x 8 Continuous length
 - c) 100 FT 12 x 10 x 5 Continuous length
- [Spool dimensions may vary slightly]*

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