

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 1181/30C
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Issue: 6
Issue Date: 5/19/2005
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A. Construction

Diameters (In)

- | | | |
|----------------|---------------------------------|-------|
| 1) Component 1 | 30 X 1 COND | |
| a) Conductor | 22 (7/30) AWG TC | |
| b) Insulation | 0.010" Wall, Nom. PVC | 0.050 |
| (1) Color Code | Alpha Wire Company 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

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|-------------------|--|--------------------|
| 2) Cable Assembly | 30 Components Cabled | |
| a) Twists: | 2.5 Twists/foot (min) | |
| 3) Jacket | 0.032" Wall, Nom.,PVC | 0.385 (0.406 Max.) |
| a) Color(s) | SLATE | |
| b) Print | ALPHA WIRE-* P/N 1181/30C 30C 22 AWG
75C (UL) TYPE CM OR AWM 2576 --- LLXXXXXX
CSA TYPE CMG FT4 ROHS
* = Factory Code | |

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

B. Industry Approvals

- | | | |
|-----------------------------------|----------------|-----------------------------|
| 1) UL | AWM/STYLE 2576 | 80°C / 150 V _{RMS} |
| | CM | 75°C |
| | VW-1 | |
| 2) CSA International | CMG | 60°C |
| | FT4 | |
| 3) EU Directive 2002/95/EC(RoHS): | | |

All materials used in the manufacture of this part are in compliance with EU Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for compliance Date of Manufacture.

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|-------------------------------|--|--|
| 4) California Proposition 65: | The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65. | |
|-------------------------------|--|--|

C. Physical & Mechanical Properties

- | | |
|----------------------|--------------------|
| 1) Temperature Range | -20 to 80°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 165 Lbs, Maximum |

D. Electrical Properties

(For Engineering purposes only)

- | | |
|-------------------|---|
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Capacitance | 33 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Inductance | 0.18 µH/ft, Nominal |
| 4) Conductor DCR | 16.5 Ω/1000ft @20°C, Nominal |

E. Other

- | | |
|--------------|--|
| 1) Packaging | |
| a) 1000 FT | |
| b) 500 FT | |
| c) 100 FT | |

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