

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 1176C
Page 1 of 1 Pages

Issue: 6
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A. Construction

Diameters

- | | | | |
|----|----------------|-------------------------|-------|
| 1) | Component 1 | 6 X 1 COND | |
| | a) Conductor | 22 (7/30) AWG TC | |
| | 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	3	WHITE	5	ORANGE
2	RED	4	GREEN	6	BLUE

- | | | | |
|----|----------------|---|--------------------|
| 2) | Cable Assembly | 6 Components Cabled | |
| | a) Twists: | 5.3 Twists/foot (min) | |
| 3) | Jacket | 0.032" Wall, Nom.,PVC | 0.215 (0.227 Max.) |
| | a) Color(s) | GRAY | |
| | b) Print | ALPHA WIRE-* P/N 1176C 6/C 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/STYLE2576 | 80°C / 150V |
| | | 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.

- 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 | 33 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 | 16.4 Ω/1000ft @20°C, Nominal |

E. Other

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

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