

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 517066
Page 1 of 2 Pages

Issue: 3
Issue Date: 5/19/2006
Effective Date: 6/30/2006

A. Construction

Diameters

- | | | |
|----------------|-------------------------|-------|
| 1) Component 1 | 16 X 1 COND | |
| a) Conductor | 18 (16/30) AWG TC | |
| b) Insulation | 0.016" Wall, Nom. PVC | 0.079 |
| (1) Color Code | Alpha Wire Color Code D | |

Cond	Color	Cond	Color	Cond	Color
1	BLACK	7	BROWN	13	RED/GREEN
2	RED	8	YELLOW	14	RED/YELLOW
3	WHITE	9	VIOLET	15	RED/BLACK
4	GREEN	10	GRAY	16	WHITE/BLACK
5	ORANGE	11	PINK		
6	BLUE	12	TAN		

- | | | |
|-------------------|--|--------------------|
| 2) Cable Assembly | 16 Components Cabled | |
| a) Twists: | 2.2 Twists/foot (min) | |
| b) Core Wrap | Clear Mylar Tape, 25% Overlap, Min. | |
| 3) Jacket | 0.032" Wall, Nom., PVC | 0.439 (0.457 Max.) |
| a) Color(s) | BLACK | |
| b) Print | ALPHA WIRE-* P/N 517066 16/C 18 AWG
RU AWM 2464 80C 300 VOLTS VW-1 LLXXXXXX
CSA AWM IIA/B IIA/B 80C 300 VOLTS FT1 --- ROHS
LOT # XXXX
* = Factory Code | |

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

B. Industry Approvals

- | | | |
|-----------------------------------|-------------------------|--------------|
| 1) UL | | |
| a) Component 1 | AWM/STYLE1569 | 105°C / 300V |
| b) Overall | AWM/STYLE2464
VW-1 | 80°C / 300V |
| 2) CSA International | AWM-I-A/B-II-A/B
FT1 | 80°C / 300V |
| 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.

C. Physical & Mechanical Properties

- | | |
|----------------------|--------------------|
| 1) Temperature Range | -20 to 80°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 201 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 | 7.2 Ω/1000ft @20°C, Nominal |

E. Other

- | | |
|------------------------|--|
| 1) Packaging | |
| a) Bulk(Made-to-order) | |

This Design is custom, Made-To-Order & once accepted, the order is NON-CANCELLABLE & NON-RETURNABLE.

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Accepted By:	Date:
Company:	Title:

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