

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 516852
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Issue: 2
Issue Date: 3/6/2006
Effective Date: 3/13/2006

A. Construction

Diameters

- | | | | |
|----|---------------|-----------------------|-------|
| 1) | Component 1 | 2 X 1 COND | |
| | a) Conductor | 20 (12/30) AWG BC | |
| | b) Insulation | 0.021" Wall, Nom. PVC | 0.081 |
| | (1) Print | # PRINTED | |
| | (2) Color(s) | | |

Cond	Color	Cond	Color
1	BLACK - PRINTED # 1	2	BLACK - PRINTED # 2

- | | | | |
|----|----------------|--|--------------------|
| 2) | Cable Assembly | 2 Components Cabled | |
| | a) Twists: | 4.8 Twists/foot (min) | |
| | b) Core Wrap | Foam Polypropylene Tape, 25% Overlap, Min. | |
| 3) | Jacket | 0.032" Wall, Nom., PVC | 0.240 (0.254 Max.) |
| | a) Color(s) | GRAY | |
| | b) Print | ALPHA WIRE-* | |

RU AWM STYLE 20811 105C 600V VW-1 --- CSA AWM
I/II A/B 105C 600V FT1 --- MADE IN THE USA
* = Factory Code

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

B. Industry Approvals

- | | | | |
|----|--------------------------------|-------------------------|--------------|
| 1) | UL | AWM/STYLE20811 | 105°C / 600V |
| 2) | CSA International | AWM-I-A/B-II-A/B
FT1 | 105°C / 600V |
| 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 | 15.7 Lbs, Maximum |

D. Electrical Properties

- | | | |
|----|----------------|---|
| | | (For Engineering purposes only) |
| 1) | Voltage Rating | 300 V _{RMS} |
| 2) | Capacitance | 28 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) | Inductance | 0.2 µH/ft, Nominal |
| 4) | Conductor DCR | 10.7 Ω/1000ft @20°C, Nominal |

E. Other

- | | | |
|----|--------------------------------|--|
| 1) | Packaging | |
| | a) 1000 FT | |
| 2) | Notes: | |
| | a) 1000 ft. Bulk Reels +/- 10% | |
| | b) P/N on label 516852 | |

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

Accepted By:	Date:
Company:	Title:

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