

**ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION**

Part Number: 810253
Page 1 of 1 Pages

Issue: 2
Issue Date: 1/24/2011
Effective Date: 1/24/2011

A. Construction

Diameters (In)

- | | | | |
|----|---------------|-----------------------|-------|
| 1) | Component 1 | 2 X 1 COND | |
| | a) Conductor | 18 (16/30) AWG TC | 0.047 |
| | b) Insulation | 0.016" Wall, Nom. PVC | 0.079 |
| | (1) Color(s) | | |

Cond	Color	Cond	Color	Cond	Color
1	BLUE	2	BLACK		

- | | | | |
|----|----------------|---|--------------------|
| 2) | Cable Assembly | 2 Components Cabled | |
| | a) Twists: | 5.3 Twists/foot (min) | |
| | b) Core Wrap | Clear Mylar Tape, 25% Overlap, Min. | |
| 3) | Jacket | 0.032" Wall, Nom.,PVC | 0.225 (0.235 Max.) |
| | a) Color(s) | SLATE | |
| | b) Ripcord | 1 End 810 Denier Nylon | |
| | c) Print | ALPHA WIRE-* P/N 810253 2C 18 AWG
XTRAGUARD(R) 1 75C (UL) TYPE CM OR AWM 2464 OR
C(UL) TYPE CMG FT4 60C CE ROHS | |

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

B. Applicable Specifications

- | | | | |
|----|-------------------|-----------------------------------|------------------------------|
| 1) | UL | | |
| | a) Component 1 | AWM/STYLE 1569 | 105°C / 300 V _{RMS} |
| | b) Overall | AWM/STYLE 2464 | 80°C / 300 V _{RMS} |
| | | CM | 75°C |
| | | VW-1 | |
| 2) | CSA International | FT4 | |
| | | C(UL) TYPE CMG | 60°C |
| 3) | CE: | LVD 73/23/EEC Amendment 93/68/EEC | |

C. Environmental Compliance

- | | | |
|----|--------------------------------|--|
| 1) | 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. |
| 2) | 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 | 25 Lbs, Maximum |

E. 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 | 7.1 Ω/1000ft @20°C, Nominal |

F. Other

- | | | |
|----|------------------------|-------------------------------------|
| 1) | Packaging | Flange x Traverse x Barrel (inches) |
| | a) Bulk(Made-to-order) | |

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

Accepted By:	Date:
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