
ALPHA WIRE COMPANY
CDC PRODUCT SPECIFICATION

Part Number: CDC6988
Page 1 of 1 Pages

Issue: 0
Issue Date: 1/12/2010

- | A. Construction | | <u>Diameters</u> |
|--|------------------------------|------------------|
| 1) Component 1 | 4 X 1 PAIR | |
| a) Conductor | 28 (7/36) AWG TC | |
| b) Insulation | 0.010" Wall, Nom. SR-PVC | |
| (1) Color Code | ALPHA WIRE COLOR CODE B | |
| c) Pair | 2/Cond Cabled Together | |
| 2) Cable Assembly | 4 Components | |
| a) Core Wrap | NWP Tape, 25% Overlap, Min. | |
| 3) Jacket | 0.032" Wall, Nom., XG1PVC | 0.207 |
| a) Color | BLACK | |
| 4) Packaging | 1000FT PUTUP | |
| B. Industry Approvals | | |
| 1) UL | AWM/STYLE 2464
CM
VW-1 | |
| 2) CSA | CMG
FT4 | |
| 3) MIL | NONE | |
| 4) CE Compliant | YES | |
| 5) ROHS Compliant | YES | |
| 6) UV Resistant | YES | |
| C. Physical & Mechanical Properties | | |
| 1) Temperature Dynamic | -30C to 105C | |
| 2) Temperature Stationary | -40C to 105C | |
| D. Electrical Properties | | |
| 1) Voltage Rating | 300 V _{RMS} | |
| E. Other | | |
| 1) Requested Quantity | 5,000Ft., 25,000Ft. | |

Application Notes

CUSTOM PRODUCTS ARE NON-CANCELLABLE & NON-RETURNABLE EXCEPT FOR
MANUFACTURING DEFECTS

ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: 518039 Page 1 of 1 Pages	Issue: 1 Issue Date: 2/18/2010 Effective Date: 2/18/2010
--	---

- A. Construction** **Diameters (In)**
- | | | |
|----------------|-----------------------------------|-------|
| 1) Component 1 | 4 X 1 PAIR | 0.015 |
| a) Conductor | 28 (7/36) AWG TC | |
| b) Insulation | 0.010" Wall, Nom. PVC, Semi Rigid | 0.035 |
| (1) Color Code | Alpha Wire Color Code B | |

Pair	Color	Pair	Color	Pair	Color
1	WHITE-BLACK	3	WHITE-RED		
2	WHITE-BROWN	4	WHITE-ORANGE		

- | | | |
|-------------------|---|--------------------|
| c) Pair | 2/Cond Cabled Together | |
| (1) Twists: | 12.0 Twists/foot (min) | |
| 2) Cable Assembly | 4 Components Cabled | |
| a) Twists: | 8.0 Twists/foot (min) | |
| b) Core Wrap | Nonwoven Polyester Tape, 25% Overlap, Min. | |
| 3) Jacket | 0.032" Wall, Nom., PVC | 0.207 (0.221 Max.) |
| a) Color(s) | BLACK | |
| b) Ripcord | 1 End 810 Denier Nylon | |
| c) Print | ALPHA WIRE-* P/N 518039 4PR 28 AWG
XTRAGUARD(R) 1 XTREME PERFORMANCE FOR XTREME
ENVIRONMENTS - 105C (UL) TYPE CM OR AWM 2464 VW-1
— LLXXXXX CSA 105C TYPE CMG FT4 CE
ROHS (SEQ FOOTAGE) | |
| | * = Factory Code | |
| | <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i> | |

- B. Industry Approvals**
- | | | |
|----------------------|-----------------------------------|------------------------------|
| 1) UL | | |
| a) Component 1 | AWM/STYLE 10002 | 105°C / 300 V _{RMS} |
| b) Overall | AWM/STYLE 2464 | 80°C / 300 V _{RMS} |
| | CM | 105°C |
| | VW-1 | |
| 2) CSA International | CMG | 105°C |
| | FT4 | |
| 3) CE: | LVD 73/23/EEC Amendment 93/68/EEC | |

- C. Environmental Approvals**
- | | |
|-----------------------------------|--|
| 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 | -40 to 105°C(static), -30 to 105°C (dynamic) |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 11 Lbs, Maximum |
| 4) Sunlight Resistance | Yes |

- E. Electrical Properties** (For Engineering purposes only)
- | | |
|-----------------------|----------------------------|
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Mutual Capacitance | 18.5 pF/ft @1 kHz, Nominal |
| 3) Inductance | 0.22 µH/ft, Nominal |
| 4) Conductor DCR | 67 Ω/1000ft @20°C, Nominal |

- F. Other**
- | | |
|--------------|------------------------|
| 1) Packaging | a) Bulk(Made-to-order) |
|--------------|------------------------|

Although Alpha Wire Company ("Alpha") makes every reasonable effort to ensure their accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability. Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

711 Lidgerwood Ave Elizabeth, NJ 07207-0711
Toll Free 1-800-52 ALPHA • T: 1-908-925-8000 • F: 908-925-5411 • Email: info@alphawire.com
www.alphawire.com