

ALPHA WIRE

CUSTOMER PRODUCT SPECIFICATION

Part Number: IN1001022
Page 1 of 2 Pages

Issue: 2
Issue Date: 3/17/2010
Effective Date: 3/17/2010

- A. Construction** Diameters (In)
- | | | | |
|----|---------------|------------------------|-------|
| 1) | Component 1 | 8 X 1 COND | |
| | a) Conductor | 20 (10/30) AWG TC | 0.037 |
| | b) Insulation | 0.0325" Wall, Nom. PVC | 0.102 |
| | (1) Color(s) | | |

Cond	Color	Cond	Color	Cond	Color
1	WHITE	4	WHITE	7	BLACK
2	WHITE	5	BLACK	8	BLACK
3	WHITE	6	BLACK		

- | | | | |
|----|----------------|---|--------------------|
| 2) | Cable Assembly | 8 Components Cabled | |
| | a) Twists: | 3.0 Twists/foot (min) | |
| | b) Core Wrap | Nonwoven Polyester Tape, 25% Overlap, Min. | |
| 3) | Shield: | A/P/A Tape, 25% Overlap, Min. | |
| | a) Drain Wire | 20 (7/28) AWG TC | |
| | b) Braid | TC, 70% Coverage, Min. | |
| 4) | Jacket | 0.063" Wall, Nom., PVC | 0.498 (0.522 Max.) |
| | a) Color | Slate | |
| | b) Ripcord | 1 End 810 Denier Nylon | |
| | c) Print | ALPHA WIRE-* P/N IN1001022 8C 20 AWG
XTRAGUARD(R) 1: XTREME PERFORMANCE FOR XTREME
ENVIRONMENTS (UL) MTW 600V OR AWM 2501 VW-1 ---
LLXXXXXX CSA AWM IA/B IIA/B 105C 600
VOLTS 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 1015 | 105°C / 600 V _{RMS} |
| | | MTW | 90°C Dry / 60°C Wet / 600 V _{RMS} |
| | b) Overall | MTW | 90°C Dry / 60°C Wet / 600 V _{RMS} |
| | | AWM/STYLE 2501 | 105°C / 600 V _{RMS} |
| | | VW-1 | |
| 2) | CSA International | | |
| | a) Component 1 | TEW | 105°C / 600 V _{RMS} |
| | b) Overall | AWM I/II A/B | 105°C / 600 V _{RMS} |
| | | 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 | -20 to 105°C |
| 2) | Bend Radius | 10X Cable Diameter |
| 3) | Pull Tension | 80 Lbs, Maximum |
| 4) | Sunlight Resistance | Yes |

E. Electrical Properties

- | | | |
|---------------------------------|--------------------|---|
| (For Engineering purposes only) | | |
| 1) | Voltage Rating | 600 V _{RMS} |
| 2) | Capacitance | 31 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) | Ground Capacitance | 56 pf/ft @1 kHz, Nominal |

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.

**ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION**

Part Number: IN1001022
Page 2 of 2 Pages

Issue: 2
Issue Date: 3/17/2010
Effective Date: 3/17/2010

- 4) Inductance 0.24 μ H/ft, Nominal
- 5) Conductor DCR 11.6 Ω /1000ft @20°C, Nominal
- 6) OA Shield DCR 1.62 Ω /1000ft @20°C, Nominal

F. Other

- 1) Packaging Flange x Traverse x Barrel (inches)
 - a) 1000 FT 24 x 14 x 12 Continuous length
 - b) 500 FT 18 x 12 x 8 Continuous length
 - c) 100 FT 16 x 11 x 8 Continuous length
 - d) Bulk(Made-to-order)

[Spool dimensions may vary slightly]

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

Accepted By:	Date:
Company:	Title:

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.