

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 5423
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Issue: 12
Issue Date: 6/12/2008
Effective Date: 7/1/2008

A. Construction

Diameters (In)

- | | | |
|----------------|---------------------------------|-------|
| 1) Component 1 | 3 X 1 COND | |
| a) Conductor | 18 (16/30) AWG TC | |
| b) Insulation | 0.032" Wall, Nom. PVC | 0.111 |
| (1) Color Code | Alpha Wire Company Color Code E | |

| Cond | Color | Cond | Color | Cond | Color |
|------|-------|------|-------|------|-------|
| 1 | BLACK | 2 | BROWN | 3 | RED |

- | | | |
|-------------------|--|--------------------|
| 2) Cable Assembly | 3 Components Cabled | |
| a) Twists: | 4.4 Twists/foot (min) | |
| b) Core Wrap | Nonwoven Polyester Tape, 25% Overlap, Min. | |
| 3) Jacket | 0.063" Wall, Nom., PVC | 0.369 (0.387 Max.) |
| a) Color(s) | Slate, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White | |
| b) Ripcord | 1 End 810 Denier Nylon | |
| c) Print | ALPHA WIRE-* P/N 5423 3C 18 AWG XTRAGUARD 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 | |

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

B. Industry Approvals

- | | | |
|-----------------------------------|--|------------------|
| 1) UL | | |
| a) Component 1 | AWM/STYLE 1015 | 105°C / 600 VRMS |
| | MTW | 90°C / 600 VRMS |
| b) Overall | MTW | 90°C / 600 VRMS |
| | AWM/STYLE 2501 | 105°C / 600 VRMS |
| | VW-1 | |
| 2) CSA International | | |
| a) Component 1 | TEW | 105°C / 600 VRMS |
| b) Overall | AWM I/II A/B | 105°C / 600 VRMS |
| | FT4 | |
| 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. Consult Alpha Wire's web site for compliance Date of Manufacture. | |
| 4) California Proposition 65: | The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65. | |
| 5) CE: | LVD 73/23/EEC Amendment 93/68/EEC | |

C. Physical & Mechanical Properties

- | | |
|------------------------|--------------------|
| 1) Temperature Range | -20 to 105°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 38 Lbs, Maximum |
| 4) Sunlight Resistance | Yes |

D. Electrical Properties

(For Engineering purposes only)

- | | |
|-------------------|---|
| 1) Voltage Rating | 600 VRMS |
| 2) Capacitance | 26 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Inductance | 0.22 µH/ft, Nominal |
| 4) Conductor DCR | 7.2 Ω/1000ft @20°C, Nominal |

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E. Other

- 1) Packaging
 - a) 1000 FT
 - b) 500 FT
 - c) 100 FT
 - d) Bulk(Made-to-order)

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