

ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: 45063
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Issue: 13
Issue Date: 1/2/2013
Effective Date: 1/18/2013

A. Construction

Diameters (In)

- | | | |
|----------------|-------------------------|-------|
| 1) Component 1 | 3 X 1 COND | |
| a) Conductor | 18 (16/30) AWG TC | 0.047 |
| b) Insulation | 0.016" Wall, Nom. TPE | 0.079 |
| (1) Color Code | Alpha Wire Color Code D | |

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

- | | | |
|-------------------|---|--------------------|
| 2) Cable Assembly | 3 Components Cabled | |
| a) Twists: | 6.0 Twists/foot (min) | |
| b) Core Wrap | Nonwoven Polyester Tape, 25% Overlap, Min. | |
| 3) Jacket | 0.045" Wall, Nom., TPE | 0.264 (0.275 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 45063 3C 18 AWG | |

XTRAGUARD(R) 4 (UL) TYPE PLTC 105C OR AWM 20237
125C 300 VOLTS -- LLXXXXX CSA AWM I/II A/B
125C 300 VOLTS FT1 P-07-KA070017-MSHA
CE (SEQ FOOTAGE)

* = Factory Code

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

B. Applicable Specifications

- | | | |
|----------------------|---|------------------------------|
| 1) UL | AWM/STYLE 20237 | 125°C / 300 V _{RMS} |
| | PLTC | 105°C |
| 2) CSA International | AWM I/II A/B | 125°C / 300 V _{RMS} |
| | FT1 | |
| 3) Other | PENNSYLVANIA BUREAU OF MINE SAFETY APPROVED | |
| 4) CE: | EU Low Voltage Directive 2006/95/EC | |

C. Environmental Compliance

- | | |
|-------------------------------|--|
| 1) 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 | -50 to 125°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 38 Lbs, Maximum |
| 4) Sunlight Resistance | Yes |

E. Electrical Properties

(For Engineering purposes only)

- | | |
|-------------------|---|
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Capacitance | 16.4 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Inductance | 0.18 µH/ft, Nominal |
| 4) Conductor DCR | 7.2 Ω/1000ft @20°C, Nominal |

F. Other

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

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