

**ALPHA WIRE  
CUSTOMER PRODUCT SPECIFICATION**

<b>Part Number: 517359</b>	<b>Issue: 2</b>
<b>Page 1 of 1 Pages</b>	<b>Issue Date: 10/20/2011</b>
	<b>Effective Date: 12/15/2011</b>

- A. Construction** **Diameters (In)**
- |                |                       |       |
|----------------|-----------------------|-------|
| 1) Component 1 | 3 X 1 COND            |       |
| a) Conductor   | 18 (16/30) AWG TC     | 0.047 |
| b) Insulation  | 0.017" Wall, Nom. PVC | 0.081 |
| (1) Color(s)   |                       |       |

Cond	Color	Cond	Color	Cond	Color
1	RED	2	BLACK	3	GREEN

- |                   |   |                    |
|-------------------|---|--------------------|
| 2) Cable Assembly | 3 Components Cabled   |                    |
| a) Twists:        | 4.8 Twists/foot (min)   |                    |
| b) Core Wrap      | Clear Mylar Tape, 25% Overlap, Min.   |                    |
| 3) Jacket         | 0.032" Wall, Nom.,PVC   | 0.241 (0.252 Max.) |
| a) Color(s)       | BLACK   |                    |
| b) Ripcord        | 1 End 810 Denier Nylon  |                    |
| c) Print          | E163860 P/N 517359 3 C / 18 AWG 75C (UL) TYPE CM<br>OR AWM 2464 --- LL49185 CSA TYPE CMG FT4 CE<br>ROHS |                    |
- [Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]*

**B. Applicable Specifications**

- |                      |                                   |                             |
|----------------------|-----------------------------------|-----------------------------|
| 1) UL                | AWM/STYLE 2464                    | 80°C / 300 V <sub>RMS</sub> |
|                      | CM                                | 75°C / 300 V <sub>RMS</sub> |
| 2) CSA International | FT4                               |                             |
|                      | CMG                               | 60°C / 300 V <sub>RMS</sub> |
| 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.

**D. Physical & Mechanical Properties**

- |                      |                    |
|----------------------|--------------------|
| 1) Temperature Range | -20 to 80°C        |
| 2) Bend Radius       | 10X Cable Diameter |
| 3) Pull Tension      | 38 Lbs, Maximum    |

**E. Electrical Properties**

- (For Engineering purposes only)
- |                   |   |
|-------------------|---|
| 1) Voltage Rating | 300 V <sub>RMS</sub>                            |
| 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:
Company:	Title:

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