

ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: 5636B1801
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Issue: 6
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A. Construction

Diameters (In)

- | | | | |
|----|---------------|--|-------|
| 1) | Component 1 | 1 X 1 TRIAD | |
| | a) Conductor | 18 (7/.0152) AWG BC | 0.046 |
| | b) Insulation | 0.016" Wall, Nom. PVC/ 0.005" Wall NYLON | 0.088 |
| | (1) Color(s) | | |

Triad	Color	Triad	Color	Triad	Color
1	BLACK-WHITE-RED				

- | | | | |
|----|-------------|--|--------------------|
| c) | Pair | 3/Cond Cabled Together | |
| | (1) Twists: | 4.4 Twists/foot (min) | |
| 2) | Jacket | 0.050" Wall, Nom.,PVC | 0.290 (0.308 Max.) |
| | a) Color(s) | BLACK | |
| | b) Print | ALPHA WIRE-* P/N 5636B1801 1TRIAD 18 AWG
(UL) TYPE TC 600V 90C DRY 75C WET
SUN RES DIR BUR CE ROHS
* = Factory Code | |

B. Applicable Specifications

- | | | | |
|----|-----|-------------------------------------|-----------------------------|
| 1) | UL | TC
SUN RES
DIRECT BURIAL | 90°C / 600 V _{RMS} |
| 2) | CE: | EU Low Voltage Directive 2006/95/EC | |

C. Environmental Compliance

- | | | | |
|----|----------------------------------|---|--|
| 1) | CE: | EU Directive 2011/65/EU(RoHS2):
This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011. No Exemptions are required for RoHS Compliance on this item. Consult Alpha Wire's web site for RoHS C of C . | |
| 2) | REACH Regulation (EC 1907/2006): | This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item. For up-to-date information, please see Alpha's REACH SVHC Declaration . | |
| 3) | 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 | -25 to 90°C | |
| 2) | Bend Radius | 10X Cable Diameter | |
| 3) | Pull Tension | 38 Lbs, Maximum | |
| E. Electrical Properties | | (For Engineering purposes only) | |
| 1) | Voltage Rating | 600 V _{RMS} | |
| 2) | Mutual Capacitance | 28 pf/ft @1 kHz, Nominal | |
| 3) | Inductance | 0.19 µH/ft, Nominal | |
| 4) | Conductor DCR | 6.6 Ω/1000ft @20°C, Nominal | |

F. Other

- | | | | |
|----|------------------------|-------------------------------------|--|
| 1) | Packaging | Flange x Traverse x Barrel (inches) | |
| | a) 1000 FT | 16 x 11 x 8 Continuous length | |
| | b) 500 FT | 12 x 10 x 5 Continuous length | |
| | c) 100 FT | 12 x 4.5 x 3.5 Continuous length | |
| | d) Bulk(Made-to-order) | | |

[Spool dimensions may vary slightly]

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