

ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: M1164
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Issue: 4
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A. Construction

Diameters (In)

- | | | |
|----------------|------------------------------------|-------|
| 1) Component 1 | 4 X 1 COND | |
| a) Conductor | 16 (65/34) AWG TC | 0.056 |
| b) Insulation | 0.016" Wall, Nom. Polyethylene(PE) | 0.088 |
| (1) Color Code | Alpha Wire Color Code H | |

Cond	Color	Cond	Color	Cond	Color
1	BLACK	3	RED		
2	WHITE	4	GREEN		

- | | | |
|-------------------|---|--------------------|
| 2) Cable Assembly | 4 Components Cabled | |
| a) Twists: | 3.7 Twists/foot (min) | |
| b) Core Wrap | Clear Mylar Tape, 25% Overlap, Min. | |
| 3) Shield | TC BRAID Shield,90% Coverage, Min. | |
| 4) Jacket | 0.035" Wall, Nom.,PVC | 0.308 (0.320 Max.) |
| a) Color(s) | SLATE | |
| b) Print | ALPHA WIRE-* P/N M1164 4C 16 AWG
TYPE CM (UL) 75C OR AWM 2094
CE ROHS
* = Factory Code | |

B. Applicable Specifications

- | | | |
|--------|-------------------------------------|-----------------------------|
| 1) UL | AWM/STYLE 2094 | 60°C / 300 V _{RMS} |
| | CM | 75°C |
| 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 | -20 to 75°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 88 Lbs, Maximum |

E. Electrical Properties

- | | |
|---------------------------------|---|
| (For Engineering purposes only) | |
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Capacitance | 27 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Ground Capacitance | 49 pf/ft @1 kHz, Nominal |
| 4) Inductance | 0.17 µH/ft, Nominal |
| 5) Conductor DCR | 4.4 Ω/1000ft @20°C, Nominal |
| 6) OA Shield DCR | 3.5 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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