

ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: 275001802
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Issue: 4
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A. Construction **Diameters (In)**

- | | | | |
|----|---------------|------------------------------|-------|
| 1) | Component 1 | 2 X 1 COND | |
| | a) Conductor | 18 (19/30) AWG Tinned Copper | 0.048 |
| | b) Insulation | 0.010" Wall, Nom. ETFE | 0.068 |
| | (1) Color(s) | | |

Cond	Color	Cond	Color	Cond	Color
1	WHITE	2	WHITE / BLUE		

- | | | | |
|----|-----------------|--|--------------------|
| 2) | Cable Assembly | 2 Components Cabled | |
| | a) Twists: | 6.0 Twists/foot (min) | |
| | b) Orientation: | Components to be arranged from INSIDE LAYER to OUTSIDE LAYER | |
| | 3) Shield | Tinned Copper BRAID Shield, 85% Coverage, Min. | |
| | 4) Jacket | 0.010" Wall, Nom., ETFE | 0.178 (0.186 Max.) |
| | a) Color(s) | NATURAL | |

B. Applicable Specifications

- | | | |
|----|----------------|-------------------------------------|
| 1) | Other | |
| | a) Component 1 | SAE-AS22759/16 |
| | b) Overall | NEMA WC 27500 TYPE TE 150°C |
| | 2) CE: | EU Low Voltage Directive 2014/35/EU |

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 and the amending Directive 2015/863/EU of 4 June 2015. 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: | Exempt from warning labels based on the Consent Judgment. Please see Alpha's CA Prop 65 Statement for more information. |

D. Physical & Mechanical Properties

- | | | |
|----|-------------------|--------------------|
| 1) | Temperature Range | -55 to 150°C |
| | 2) Bend Radius | 10X Cable Diameter |
| | 3) Pull Tension | 33 Lbs, Maximum |

E. Electrical Properties

- | | | |
|---------------------------------|-----------------------------|--|
| (For Engineering purposes only) | | |
| 1) | Voltage Rating | 600 V _{RMS} |
| | 2) Capacitance | 39 pF/ft @ 1 kHz, Nominal Conductor to Conductor |
| | 3) Ground Capacitance | 70 pF/ft @ 1 kHz, Nominal |
| | 4) Characteristic Impedance | 42 Ω |
| | 5) Inductance | 0.16 μH/ft, Nominal |
| | 6) Conductor DCR | 5.9 Ω/1000ft @20°C, Nominal |
| | 7) OA Shield DCR | 7.1 Ω/1000ft @20°C, Nominal |

F. Other

- | | | |
|----|------------------------|-------------------------------------|
| 1) | Packaging | Flange x Traverse x Barrel (inches) |
| | a) 100 FT | 6.5 x 2 x 1.9 Continuous length |
| | b) Bulk(Made-to-order) | |

[Spool dimensions may vary slightly]

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