

ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: 17-2532
Page 1 of 2 Pages

Issue: 1
Issue Date: 12/11/2017
Effective Date: 1/1/2018

A. Construction

Diameters (mm)

- | | | | |
|----|---------------|----------------------------|------|
| 1) | Component 1 | 6 X 1 COND | |
| | a) Conductor | 26 (26/40) AWG Bare Copper | 0.47 |
| | b) Insulation | 0.26 Wall, Nom. XLPE | 1.00 |
| | (1) Color(s) | | |

Cond	Color	Cond	Color	Cond	Color
1	BLACK	3	RED	5	YELLOW
2	BROWN	4	ORANGE	6	BLUE

- | | | | |
|----|---------------|----------------------------|------|
| 2) | Component 2 | 2 X 1 PAIR | |
| | a) Conductor | 22 (66/40) AWG Bare Copper | 0.75 |
| | b) Insulation | 0.325 Wall, Nom. XLPE | 1.40 |
| | (1) Color(s) | | |

Pair	Color	Pair	Color	Pair	Color
1	RED-BLACK	2	WHITE-GREEN		

- | | | | |
|----|-------------------|--|------------------|
| c) | Pair | 2/Cond Cabled Together | |
| 3) | Cable Assembly | 8 Components Cabled | |
| | a) Orientation: | Components to be arranged from INSIDE LAYER to OUTSIDE LAYER | |
| 4) | Shield: | Alum/Mylar Tape, 25% Overlap, Min. | |
| | a) Foil Direction | Foil Facing Out | |
| | b) Braid | Tinned Copper, 80% Coverage, Min. | |
| 5) | Jacket | PVC | 6.60 (7.00 Max.) |
| | a) Color(s) | BLACK | |
| | b) Print | ALPHA WIRE-* P/N 17-2532 6C 26 AWG (0.14mm ²) 2PR 22 AWG (0.34mm ²)
80C 300V CE ROHS (SEQ METERS) | |
| | | * = Factory Code | |

B. Applicable Specifications

- | | | |
|----|-----|-------------------------------------|
| 1) | UL | VW-1 |
| 2) | CE: | EU Low Voltage Directive 2014/35/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 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 . |

D. Physical & Mechanical Properties

- | | | |
|----|--------------------|---|
| 1) | Temperature Range | -20 to 80°C (static), 0 to 80°C (dynamic) |
| 2) | Bend Radius | 10X Cable Diameter |
| 3) | Pull Tension | 20.6 Lbs, Maximum |
| 4) | Drag chain testing | 3 million flex life cycles |

E. Electrical Properties

- | | | |
|---------------------------------|------------------|-----------------------|
| (For Engineering purposes only) | | |
| 1) | Voltage Rating | 300 V _{RMS} |
| 2) | Component 1 | |
| | a) Conductor DCR | 140 Ω/Km @20°C, Max. |
| 3) | Component 2 | |
| | a) Conductor DCR | 54.6 Ω/Km @20°C, Max. |

Although Alpha Wire Company ("Alpha") makes every reasonable effort to ensure their accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability. Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All information contained herein is proprietary. Its use is restricted to Alpha Wire personnel or authorized Distributors and End-Users of Alpha Wire. Under no circumstances shall this document be duplicated in any form or shown to/discussed with unauthorized personnel without the expressed written consent of the Alpha Wire Engineering Department.

**ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION**

Part Number: 17-2532
Page 2 of 2 Pages

Issue: 1
Issue Date: 12/11/2017
Effective Date: 1/1/2018

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:

PROPRIETARY

Although Alpha Wire Company ("Alpha") makes every reasonable effort to ensure their accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability. Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All information contained herein is proprietary. Its use is restricted to Alpha Wire personnel or authorized Distributors and End-Users of Alpha Wire. Under no circumstances shall this document be duplicated in any form or shown to/discussed with unauthorized personnel without the expressed written consent of the Alpha Wire Engineering Department.