ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: 17-2532	**Issue: 1**
Page 1 of 2 Pages	**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 (0.14mm2) 2PR 22 AWG (0.34mm2) 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.

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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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