ALPHA WIRE CUSTOMER PRODUCT SPECIFICATION

Part Number: 17-2529 Issue: 1

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A. Construction <u>Diameters (mm)</u>

1) Component 1 1 X 1 PAIR

 a) Conductor
 20 (28/36) AWG Bare Copper
 0.92

 b) Insulation
 0.39 Wall, Nom. PVC
 1.70

(1) Color(s)

Pair	Color	Pair	Color	Pair	Color
1	BLACK - BROWN				

c) Pair 2/Cond Cabled Together (1) Twists: 19.7 Twists/meter (min)

2) Component 2 8 X 1 COND

a) Conductor 23 (14/36) AWG Bare Copper 0.64
b) Insulation 0.33 Wall, Nom. PVC 1.30
(1) Color(s)

Cond	Color	Cond	Color	Cond	Color
1	RED	4	GREEN	7	GREY
2	ORANGE	5	BLUE	8	WHITE
3	VELLOW	6	PLIRPLE		

3) Cable Assembly 9 Components Cabled a) Twists: 11.2 Twists/meter (min)

b) 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 8.20 (8.60 Max.)

a) Color(s) BLACK

b) Print ALPHA WIRE-* P/N 17-2529 1PR 20 AWG (0.5mm2) 8C 23 AWG (0.25mm2)

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.

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

2) Bend Radius3) Pull Tension40 August 10X Cable Diameter43 Lbs, Maximum

E. Electrical Properties (For Engineering purposes only)

1) Voltage Rating 300 V_{RMS}

2) Component 1

a) Conductor DCR 39.0 Ω/Km @20°C, Max.

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3) Component 2

a) Conductor DCR 75.4 Ω/Km @20°C, Max.

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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