

ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: S5530001
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Issue: 6
Issue Date: 10/27/2021
Effective Date: 1/1/2022

A. Construction

Diameters (In)

- 1) Component 1 7 X 1 PAIR
 - a) Conductor 24 (7/32) AWG Tinned Copper 0.024
 - b) Insulation 0.0065" Wall, Nom. FEP 0.037
- (1) Color(s)

Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED	4	ORANGE-YELLOW	7	ORANGE/BLACK-YELLOW/BLACK
2	GREEN-WHITE	5	GRAY-VIOLET		
3	BLUE-BROWN	6	BLUE/WHITE-BROWN/WHITE		

- c) Pair 2/Cond Cabled Together
- (1) Twists: 9.6 Twists/foot (min)
- 2) Cable Assembly 7 Components Cabled
 - a) Twists: 2.0 Twists/foot (min)
 - b) Orientation: Components to be arranged from INSIDE LAYER to OUTSIDE LAYER
- 3) Shield: Alum/Mylar Tape, 25% Overlap, Min.
 - a) Foil Direction Foil Facing In
 - b) Drain Wire 24 (7/32) AWG Tinned Copper
- 4) Jacket 0.015" Wall, Nom., PVC 0.220 (0.229 Max.)
 - a) Color(s) SLATE
 - b) Print ALPHA WIRE-* P/N S5530001 7PR 24 AWG
SHIELDED TYPE CMP (UL) , C(UL) 75C EXXXXXX
* = Factory Code

[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]

B. Applicable Specifications

- 1) UL CMP 75°C
- 2) CSA International CMP 75°C

C. Environmental Compliance

- 1) EU Directive 2002/95/EU(RoHS):
All materials used in the manufacture of this part are in compliance with European Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment.

D. Physical & Mechanical Properties

- 1) Temperature Range -5 to 75°C
 - 2) Bend Radius 10X Cable Diameter
 - 3) Pull Tension 53 Lbs, Maximum
- E. Electrical Properties**
(For Engineering purposes only)
- 1) Voltage Rating 300 V_{RMS}
 - 2) Mutual Capacitance 16.2 pF/ft @1 kHz, Nominal
 - 3) Conductor DCR 25 Ω/1000ft @20°C, Nominal
 - 4) OA Shield DCR 15.8 Ω/1000ft @20°C, Nominal

F. Other

- 1) Packaging Flange x Traverse x Barrel (inches)
 - a) 1000 FT 12 x 10.5 x 5 Continuous length
 - b) Bulk(Made-to-order)

[Spool dimensions may vary slightly]

This Design is custom, Made-To-Order and requires review by a qualified party at the customer.

Accepted By:

Date:

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Company:

Title:

PROPRIETARY

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