ALPHA WIRE CUSTOMER PRODUCT SPECIFICATION

Part Number: 518377 Issue:

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A. Construction Diameters (In)

1) Component 1 4 X 1 PAIR

Conductor 24 (SOLID) AWG Bare Copper 0.022 b) Insulation 0.012" Wall, Nom. Polypropylene(PP) 0.046

(1) Color(s)

Pair	Color	Pair	Color	Pair	Color
1	BLUE - WHITE/BLUE	3	GREEN - WHITE/GREEN		
2	ORANGE - WHITE/ORANGE	4	BROWN - WHITE/BROWN		

2/Cond Cabled Together c) Pair (1) Twists: 13.7 Twists/foot (approx.) Cable Assembly 4 Components Cabled 3.0 Twists/foot (min) Twists:

Core Wrap Clear Mylar Tape, 25% Overlap, Min. b) Alum/Mylar Tape, 25% Overlap, Min. Shield:

Foil Direction Foil Facing In a)

b) Drain Wire 24 (7/32) AWG Tinned Copper

0.032" Wall, Nom., TPE 0.265 (0.280 Max.) Jacket

a) Color(s) **BLACK**

b) Ripcord 1 End 810 Denier Nylon

ALPHA WIRE-* P/N 518377 4PR 24 AWG c) Print RU AWM STYLE 20626 80C 600V OR

ANSI/TIA-568-C.2 CAT5E (SEQ FOOTAGE) (LOT #) (DATE CODE)

= Factory Code

B. Applicable Specifications

UL

Component 1 AWM/STYLE 10866 80°C / 600 V_{RMS} a) AWM/STYLE 20626 b) Overall 80°C / 600 V_{RMS}

CE: EU Low Voltage Directive 2006/95/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. No Exemptions are required for RoHS Compliance on this item. Consult Alpha Wire's web site for RoHS C of C.

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

-50 to 80°C Temperature Range Bend Radius 8X Cable Diameter 2) 3) **Pull Tension** 29 Lbs, Maximum

4) Sunlight Resistance Yes

Cable Weight 39 Lbs/1000Ft

Electrical Properties (For Engineering purposes only)

Voltage Rating 600 VRMS 1) 100 Ω +/- 15 2) Characteristic Impedance 5.6 nF/100m Max 3) Mutual Capacitance Velocity of Propagation 70 % Nom.

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Conductor DCR 9.38 Ω/100m Max 45 ns/100m Max 6) Skew Pair to Ground Unbalance 330 pF/100m Max 7) DC Unbalance of a Pair 5% Max 2.4 (Max dB/100m) @ 1 MHz Insertion Loss 4.9 (Max dB/100m) @ 4 MHz 6.9 (Max dB/100m) @ 8 MHz 7.8 (Max dB/100m) @ 10 MHz 9.9 (Max dB/100m) @ 16 MHz 11.1 (Max dB/100m) @ 20 MHz 12.5 (Max dB/100m) @ 25 MHz 14.1 (Max dB/100m) @ 31.25 MHz 20.4 (Max dB/100m) @ 62.5 MHz 26.4 (Max dB/100m) @ 100 MHz

F. Other

1) Packaging Flange x Traverse x Barrel (inches)
a) 1000 FT 12 x 12 x 3.5 Continuous length
[Spool dimensions may vary slightly]

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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