

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6325
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Issue: 4
Issue Date: 5/26/2005
Effective Date: 8/1/2005

A. Construction

Diameters

- 1) Component 1 18 X 1 PAIR
 - a) Conductor 24 (7/32) AWG TC
 - b) Insulation 0.019" Wall, Nom. Polyethylene, Foam 0.062
 - (1) Color Code Alpha Wire Color Code A

Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED	7	BLACK-ORANGE	13	RED-ORANGE
2	BLACK-WHITE	8	RED-GREEN	14	GREEN-BLUE
3	BLACK-GREEN	9	RED-WHITE	15	GREEN-WHITE
4	BLACK-BLUE	10	RED-BLUE	16	GREEN-BROWN
5	BLACK-BROWN	11	RED-YELLOW	17	GREEN-ORANGE
6	BLACK-YELLOW	12	RED-BROWN	18	GREEN-YELLOW

- c) Pair 2/Cond Cabled Together
 - (1) Twists: 6.9 Twists/foot (min)
 - Individually Applied:
 - d) Shield: Foil Free Alum/Mylar Tape, 25% Overlap, Min.
 - (1) Foil Direction Foil Facing In
 - (2) Drain Wire 24 (7/32) AWG TC
- 2) Cable Assembly 18 Components Cabled
 - a) Twists: 1.4 Twists/foot (min)
- 3) Shield: Alum/Mylar Tape, 25% Overlap, Min.
 - a) Foil Direction Foil Facing Out
 - b) Drain Wire 24 (7/32) AWG TC
 - c) Braid TC, 65% Coverage, Min.
- 4) Jacket 0.063" Wall, Nom., PVC 0.721 (0.751 Max.)
 - a) Color(s) GRAY
 - b) Print ALPHA WIRE-* P/N 6325 18PR 24 AWG
SHIELDED 75C (UL) TYPE CM OR AWM 2493 --- LLXXXXXX
CSA TYPE CMH FT1 ROHS
* = Factory Code
[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]

B. Industry Approvals

- 1) UL AWM/STYLE2493 60°C
CM 75°C
VW-1
- 2) CSA International CMH 60°C
FT1
- 3) EU Directive 2002/95/EC(RoHS):
All materials used in the manufacture of this part are in compliance with EU Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for compliance Date of Manufacture.
- 4) California Proposition 65: The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

C. Physical & Mechanical Properties

- 1) Temperature Range -20 to 75°C
- 2) Bend Radius 10X Cable Diameter
- 3) Pull Tension 202 Lbs, Maximum

D. Electrical Properties (For Engineering purposes only)

- 1) Voltage Rating 300 V_{RMS}

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- 2) Characteristic Impedance 100 Ω
- 3) Mutual Capacitance 12.5 pf/ft @1 kHz, Nominal
- 4) Ground Capacitance 22 pf/ft @1 kHz, Nominal
- 5) Conductor DCR 26 Ω /1000ft @20°C, Nominal
- 6) Ind. Shield DC Resistance 19.8 Ω /1000ft @20°C, Nominal
- 7) OA Shield DCR 2.3 Ω /1000ft @20°C, Nominal

E. Other

- 1) Packaging
 - a) 1000 FT
 - b) 500 FT
 - c) 100 FT

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