

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6318
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Issue: 4
Issue Date: 5/26/2005
Effective Date: 8/1/2005

A. Construction

Diameters (In)

- 1) Component 1 4 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 Company Color Code A

Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED	3	BLACK-GREEN		
2	BLACK-WHITE	4	BLACK-BLUE		

- 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 4 Components Cabled
- a) Twists: 3.0 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 0.048" Wall, Nom.,PVC 0.397 (0.413 Max.)
- a) Color(s) SLATE
- b) Print ALPHA WIRE-* P/N 6318 4PR 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/STYLE 2493 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 51 Lbs, Maximum

D. Electrical Properties

- 1) Voltage Rating (For Engineering purposes only) 300 V_{RMS}
- 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 3.1 Ω/1000ft @20°C, Nominal

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E. Other

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

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