

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 1772
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Issue: 4
Issue Date: 5/19/2005
Effective Date: 8/1/2005

A. Construction

Diameters (In)

- | | | | |
|----|---------------|------------------------------------|-------|
| 1) | Component 1 | 4 X 1 COND | |
| | a) Conductor | 25 (40/40) AWG BC | |
| | b) Insulation | 0.014" Wall, Nom. Polyethylene(PE) | 0.051 |
| | (1) Color(s) | | |
-
- | Cond | Color | Cond | Color | Cond | Color |
|------|-------|------|-------|------|-------|
| 1 | WHITE | 3 | WHITE | | |
| 2 | BLUE | 4 | BLUE | | |
-
- | | | | |
|----|----------------|-------------------------------------|--------------------|
| 2) | Cable Assembly | 4 Components Cabled | |
| | a) Twists: | 16.0 Twists/foot (min) | |
| | b) Core Wrap | Paper Tape, 25% Overlap, Min. | |
| 3) | Shield | TC BRAID Shield, 95% Coverage, Min. | |
| 4) | Jacket | 0.044" Wall, Nom., PVC | 0.239 (0.250 Max.) |
| | a) Color(s) | Black, Brown, Slate, Yellow | |
| | b) Print | ALPHA WIRE-* P/N 1772 | |
| | | ROHS | |
| | | * = Factory Code | |

B. Industry Approvals

- 1) 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.
- 2) 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 60°C
- 2) Bend Radius: 10X Cable Diameter
- 3) Pull Tension: 15.4 Lbs, Maximum

D. Electrical Properties

- (For Engineering purposes only)
- 1) Voltage Rating: 600 V_{RMS}
 - 2) Capacitance: 18 pf/ft @1 kHz, Nominal Conductor to Conductor
 - 3) Ground Capacitance: 32 pf/ft @1 kHz, Nominal
 - 4) Inductance: 0.21 µH/ft, Nominal
 - 5) Conductor DCR: 29 Ω/1000ft @20°C, Nominal
 - 6) OA Shield DCR: 7.7 Ω/1000ft @20°C, Nominal

E. Other

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

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