

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 1750
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Issue: 4
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A. Construction

Diameters (In)

- | | | | |
|----|----------------|---------------------------------|-------|
| 1) | Component 1 | 2 X 1 COND | |
| | a) Conductor | 14 (41/30) AWG TC | |
| | b) Insulation | 0.020" Wall, Nom. PVC | 0.114 |
| | (1) Color Code | Alpha Wire Company Color Code D | |

Cond	Color	Cond	Color	Cond	Color
1	BLACK	2	RED		

- | | | | |
|----|----------------|-------------------------------------|--------------------|
| 2) | Cable Assembly | 2 Components Cabled | |
| | a) Twists: | 3.7 Twists/foot (min) | |
| | b) Core Wrap | Clear Mylar Tape, 25% Overlap, Min. | |
| 3) | Shield | BC BRAID Shield, 75% Coverage, Min. | |
| 4) | Jacket | 0.020" Wall, Nom., PVC | 0.299 (0.314 Max.) |
| | a) Color(s) | SLATE | |
| | b) Print | ALPHA WIRE-* P/N 1750 | |
| | | 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 80°C
- 2) Bend Radius 10X Cable Diameter
- 3) Pull Tension 71 Lbs, Maximum

D. Electrical Properties

- (For Engineering purposes only)
- 1) Voltage Rating 450 V_{RMS}
 - 2) Capacitance 65 pf/ft @1 kHz, Nominal Conductor to Conductor
 - 3) Ground Capacitance 117 pf/ft @1 kHz, Nominal
 - 4) Characteristic Impedance 34 Ω
 - 5) Inductance 0.17 μH/ft, Nominal
 - 6) Conductor DCR 2.8 Ω/1000ft @20°C, Nominal
 - 7) OA Shield DCR 3.1 Ω/1000ft @20°C, Nominal

E. Other

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

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