

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 1710
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Issue: 4
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A. Construction

Diameters

- | | | |
|----------------|------------------------------------|-------|
| 1) Component 1 | 2 X 1 COND | |
| a) Conductor | 22 (19/34) AWG TC | |
| b) Insulation | 0.025" Wall, Nom. Polyethylene(PE) | 0.082 |
| (1) Color(s) | | |

Cond	Color	Cond	Color
1	WHITE	2	BLACK

- | | | |
|-------------------|-------------------------------------|--------------------|
| 2) Cable Assembly | 2 Components Cabled | |
| a) Twists: | 4.8 Twists/foot (min) | |
| b) Core Wrap | Clear Mylar Tape, 25% Overlap, Min. | |
| 3) Shield | TC BRAID Shield, 90% Coverage, Min. | |
| 4) Jacket | 0.025" Wall, Nom., PVC | 0.239 (0.253 Max.) |
| a) Color(s) | GRAY | |
| b) Print | ALPHA WIRE-* P/N 1710 | |
| | 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 17.1 Lbs, Maximum

D. Electrical Properties

(For Engineering purposes only)

- 1) Voltage Rating 1000 V_{RMS}
- 2) Characteristic Impedance 91 Ω
- 3) Inductance 0.23 μH/ft, Nominal
- 4) Mutual Capacitance 17 pf/ft @1 kHz, Nominal
- 5) Ground Capacitance 30 pf/ft @1 kHz, Nominal
- 6) Conductor DCR 15.2 Ω/1000ft @20°C, Nominal
- 7) OA Shield DCR 4.3 Ω/1000ft @20°C, Nominal

E. Other

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

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