

**ALPHA WIRE COMPANY**  
**CUSTOMER PRODUCT SPECIFICATION**

**Part Number: 1721**  
**Page 1 of 1 Pages**

**Issue: 4**  
**Issue Date: 5/19/2005**  
**Effective Date: 8/1/2005**

**A. Construction**

**Diameters**

- |                |                                    |       |
|----------------|------------------------------------|-------|
| 1) Component 1 | 10 X 1 COND                        |       |
| a) Conductor   | 20 (26/34) AWG TC                  |       |
| b) Insulation  | 0.015" Wall, Nom. Polyethylene(PE) | 0.068 |
| (1) Color Code | Alpha Wire Color Code H            |       |

Cond	Color	Cond	Color	Cond	Color
1	BLACK	5	YELLOW	9	SLATE
2	WHITE	6	BLUE	10	VIOLET
3	RED	7	BROWN		
4	GREEN	8	ORANGE		

- |                   |                                     |                    |
|-------------------|-------------------------------------|--------------------|
| 2) Cable Assembly | 10 Components Cabled                |                    |
| a) Twists:        | 3.0 Twists/foot (min)               |                    |
| b) Core Wrap      | Clear Mylar Tape, 25% Overlap, Min. |                    |
| 3) Shield         | TC BRAID Shield, 85% Coverage, Min. |                    |
| 4) Jacket         | 0.035" Wall, Nom., PVC              | 0.373 (0.389 Max.) |
| a) Color(s)       | GRAY                                |                    |
| b) Print          | ALPHA WIRE-* P/N 1721               |                    |
|                   | 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 90 Lbs, Maximum

**D. Electrical Properties**

- (For Engineering purposes only)
- 1) Voltage Rating 600 V<sub>RMS</sub>
  - 2) Capacitance 22.4 pf/ft @1 kHz, Nominal Conductor to Conductor
  - 3) Ground Capacitance 40 pf/ft @1 kHz, Nominal
  - 4) Inductance 0.19 µH/ft, Nominal
  - 5) Conductor DCR 11.1 Ω/1000ft @20°C, Nominal
  - 6) OA Shield DCR 2.47 Ω/1000ft @20°C, Nominal

**E. Other**

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

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