

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 1703
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Issue: 4
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A. Construction

Diameters (In)

- | | | | |
|----|---------------|------------------------------------|-------|
| 1) | Component 1 | 1 X 1 COND | |
| | a) Conductor | 24 (10/34) AWG TC | |
| | b) Insulation | 0.020" Wall, Nom. Polyethylene(PE) | 0.064 |
| | (1) Color(s) | | |
- | Cond | Color | Cond | Color |
|------|-------|------|-------|
| 1 | WHITE | | |
- | | | | |
|----|-------------|---|--------------------|
| 2) | Shield | TC BRAID Shield,90% Coverage, Min. | |
| 3) | Jacket | 0.030" Wall, Nom.,PVC | 0.146 (0.155 Max.) |
| | a) Color(s) | SLATE | |
| | b) Print | ALPHA WIRE-* P/N 1703
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 5.8 Lbs, Maximum

D. Electrical Properties

- (For Engineering purposes only)
- 1) Voltage Rating 3500 VRMS
 - 2) Characteristic Impedance 43 Ω
 - 3) Inductance 0.07 μH/ft, Nominal
 - 4) Ground Capacitance 36 pf/ft @1 kHz, Nominal
 - 5) Conductor DCR 29 Ω/1000ft @20°C, Nominal
 - 6) OA Shield DCR 7.4 Ω/1000ft @20°C, Nominal

E. Other

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

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