

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 1705
Page 1 of 1 Pages

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 | 0.016" Wall, Nom. Polyethylene(PE) | 0.056 |
| (1) Color(s) | | |
- | Cond | Color | Cond | Color | Cond | Color |
|------|-------|------|-------|------|-------|
| 1 | WHITE | | | | |
-
- | | | |
|-------------|-------------------------------------|--------------------|
| 2) Shield | TC SPIRAL Shield,90% Coverage, Min. | |
| 3) Jacket | 0.020" Wall, Nom.,PVC | 0.106 (0.113 Max.) |
| a) Color(s) | SLATE | |
| b) Print | ALPHA WIRE-* P/N 1705 | |
| | 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 | 4.4 Lbs, Maximum |

D. Electrical Properties

- (For Engineering purposes only)
- | | |
|-----------------------------|------------------------------|
| 1) Voltage Rating | 1000 VRMS |
| 2) Characteristic Impedance | 39 Ω |
| 3) Inductance | 0.07 μH/ft, Nominal |
| 4) Ground Capacitance | 41 pf/ft @1 kHz, Nominal |
| 5) Conductor DCR | 29 Ω/1000ft @20°C, Nominal |
| 6) OA Shield DCR | 15.4 Ω/1000ft @20°C, Nominal |

E. Other

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

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