

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 3306
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Issue: 4
Issue Date: 5/19/2005
Effective Date: 8/1/2005

A. Construction

Diameters

- | | | | | |
|----|----------------|-------------------------|--|-------|
| 1) | Component 1 | 6 X 1 COND | | |
| | a) Conductor | 28 (7/36) AWG TC | | |
| | b) Insulation | 0.010" Wall, Nom. PVC | | 0.035 |
| | (1) Color Code | Alpha Wire Color Code F | | |
-
- | Cond | Color | Cond | Color | Cond | Color |
|------|-------|------|-------|------|--------|
| 1 | BLACK | 3 | RED | 5 | ORANGE |
| 2 | WHITE | 4 | GREEN | 6 | BLUE |
-
- | | | | | |
|----|----------------|---|--|--------------------|
| 2) | Cable Assembly | 6 Components Cabled | | |
| | a) Twists: | 8.0 Twists/foot (min) | | |
| | b) Core Wrap | Clear Mylar Tape, 25% Overlap, Min. | | |
| 3) | Shield | TC BRAID Shield, 90% Coverage, Min. | | |
| 4) | Jacket | 0.015" Wall, Nom., PVC | | 0.161 (0.171 Max.) |
| | a) Color(s) | GRAY | | |
| | b) Print | ALPHA WIRE-* P/N 3306
ROHS
* = Factory Code | | |

B. Industry Approvals

- 1) Military
 - a) Component 1 MIL-W-16878/Type B 105°C / 600V
- 2) 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.
- 3) 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 -55 to 105°C
- 2) Bend Radius 10X Cable Diameter
- 3) Pull Tension 12.2 Lbs, Maximum

D. Electrical Properties

- (For Engineering purposes only)
- 1) Voltage Rating 600 V_{RMS}
 - 2) Capacitance 35 pf/ft @1 kHz, Nominal Conductor to Conductor
 - 3) Ground Capacitance 63 pf/ft @1 kHz, Nominal
 - 4) Inductance 0.22 μH/ft, Nominal
 - 5) Conductor DCR 66 Ω/1000ft @20°C, Nominal
 - 6) OA Shield DCR 5.1 Ω/1000ft @20°C, Nominal

E. Other

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

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