

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 3446
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Issue: 4
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A. Construction

Diameters (In)

- | | | |
|----------------|---------------------------------|-------|
| 1) Component 1 | 6 X 1 COND | |
| a) Conductor | 16 (19/29) AWG TC | |
| b) Insulation | 0.018" Wall, Nom. PVC | 0.092 |
| (1) Color Code | Alpha Wire Company 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: | 3.0 Twists/foot (min) | |
| b) Core Wrap | Clear Mylar Tape, 25% Overlap, Min. | |
| 3) Shield | TC BRAID Shield, 90% Coverage, Min. | |
| 4) Jacket | 0.034" Wall, Nom., PVC | 0.376 (0.390 Max.) |
| a) Color(s) | SLATE | |
| b) Print | ALPHA WIRE-* P/N 3446 | |
| | ROHS | |
| | * = Factory Code | |

B. Industry Approvals

- 1) Military
 - a) Component 1 MIL-W-16878/Type C 105°C / 1000 V_{RMS}
- 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 127 Lbs, Maximum

D. Electrical Properties

- (For Engineering purposes only)
- 1) Voltage Rating 1000 V_{RMS}
 - 2) Capacitance 53 pf/ft @1 kHz, Nominal Conductor to Conductor
 - 3) Ground Capacitance 95 pf/ft @1 kHz, Nominal
 - 4) Inductance 0.17 µH/ft, Nominal
 - 5) Conductor DCR 4.7 Ω/1000ft @20°C, Nominal
 - 6) OA Shield DCR 1.58 Ω/1000ft @20°C, Nominal

E. Other

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

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