

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 3415
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Issue: 4
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A. Construction

Diameters (In)

- 1) Component 1 15 X 1 COND
- a) Conductor 18 (19/30) AWG TC
- b) Insulation 0.016" Wall, Nom. PVC 0.082
- (1) Color Code Alpha Wire Company Color Code F

Cond	Color	Cond	Color	Cond	Color
1	BLACK	6	BLUE	11	BLUE/BLACK
2	WHITE	7	WHITE/BLACK	12	BLACK/WHITE
3	RED	8	RED/BLACK	13	RED/WHITE
4	GREEN	9	GREEN/BLACK	14	GREEN/WHITE
5	ORANGE	10	ORANGE/BLACK	15	BLUE/WHITE

- 2) Cable Assembly 15 Components Cabled
 - a) Twists: 2.2 Twists/foot (min)
 - b) Core Wrap Clear Mylar Tape, 25% Overlap, Min.
 - 3) Shield TC BRAID Shield, 90% Coverage, Min.
 - 4) Jacket 0.040" Wall, Nom., PVC 0.488 (0.506 Max.)
 - a) Color(s) SLATE
 - b) Print ALPHA WIRE-* P/N 3415
- 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 238 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 6.1 Ω/1000ft @20°C, Nominal
- 6) OA Shield DCR 1.63 Ω/1000ft @20°C, Nominal

E. Other

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

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