

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 3211
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Issue: 4
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A. Construction

Diameters

- 1) Component 1 2 X 1 COND
 - a) Conductor 24 (19/36) AWG TC
 - b) Insulation 0.010" Wall, Nom. PVC/ 0.003" Wall NYLON 0.051
 - (1) Color Code Alpha Wire Color Code G

Cond	Color	Cond	Color	Cond	Color
1	WHITE	2	BLACK		

- 2) Cable Assembly 2 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 0.016" Wall, Nom., PVC 0.159 (0.171 Max.)
 - a) Color(s) GRAY
 - b) Print ALPHA WIRE-* P/N 3211
ROHS
* = Factory Code

B. Industry Approvals

- 1) Military
 - a) Component 1 MIL-W-16878/Type B/N 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 10.8 Lbs, Maximum

D. Electrical Properties

(For Engineering purposes only)

- 1) Voltage Rating 600 V_{RMS}
- 2) Capacitance 42 pf/ft @1 kHz, Nominal Conductor to Conductor
- 3) Ground Capacitance 76 pf/ft @1 kHz, Nominal
- 4) Characteristic Impedance 52 Ω
- 5) Inductance 0.2 μH/ft, Nominal
- 6) Conductor DCR 24 Ω/1000ft @20°C, Nominal
- 7) OA Shield DCR 6.4 Ω/1000ft @20°C, Nominal

E. Other

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

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