

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 3312
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Issue: 4
Issue Date: 5/19/2005
Effective Date: 8/1/2005

A. Construction

Diameters (In)

- 1) Component 1 12 X 1 COND
- a) Conductor 28 (7/36) AWG TC
- b) Insulation 0.010" Wall, Nom. PVC 0.035
- (1) Color Code Alpha Wire Company Color Code F

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

- 2) Cable Assembly 12 Components Cabled
- a) Twists: 6.0 Twists/foot (min)
- b) Core Wrap Clear Mylar Tape, 25% Overlap, Min.
- 3) Shield TC BRAID Shield, 90% Coverage, Min.
- 4) Jacket 0.018" Wall, Nom., PVC 0.206 (0.218 Max.)
- a) Color(s) SLATE
- b) Print ALPHA WIRE-* P/N 3312
- ROHS
- * = Factory Code

B. Industry Approvals

- 1) Military
 - a) Component 1 MIL-W-16878/Type B 105°C / 600 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 21.8 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 3.8 Ω/1000ft @20°C, Nominal

E. Other

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

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