
ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 3308
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Issue: 4
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A. Construction

Diameters

- 1) Component 1 8 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	4	GREEN	7	WHITE/BLACK
2	WHITE	5	ORANGE	8	RED/BLACK
3	RED	6	BLUE		

- 2) Cable Assembly 8 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 0.171 (0.181 Max.)
 a) Color(s) GRAY
 b) Print ALPHA WIRE-* P/N 3308
 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 15 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 5.6 Ω/1000ft @20°C, Nominal

E. Other

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

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