

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 3242
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Issue: 4
Issue Date: 5/19/2005
Effective Date: 8/1/2005

A. Construction

Diameters (In)

- | | | | |
|----|----------------|--|-------|
| 1) | Component 1 | 3 X 1 COND | |
| | a) Conductor | 18 (19/30) AWG TC | |
| | b) Insulation | 0.010" Wall, Nom. PVC/ 0.003" Wall NYLON | 0.076 |
| | (1) Color Code | Alpha Wire Company Color Code G | |

Cond	Color	Cond	Color	Cond	Color
1	WHITE	2	BLACK	3	RED

- | | | | |
|----|----------------|---|--------------------|
| 2) | Cable Assembly | 3 Components Cabled | |
| | a) Twists: | 4.8 Twists/foot (min) | |
| | b) Core Wrap | Clear Mylar Tape, 25% Overlap, Min. | |
| 3) | Shield | TC BRAID Shield, 90% Coverage, Min. | |
| 4) | Jacket | 0.022" Wall, Nom., PVC | 0.233 (0.248 Max.) |
| | a) Color(s) | SLATE | |
| | b) Print | ALPHA WIRE-* P/N 3242
ROHS
* = Factory Code | |

B. Industry Approvals

- | | | | |
|----|--------------------------------|--|------------------------------|
| 1) | Military | | |
| | a) Component 1 | MIL-W-16878/Type B/N | 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 | 50 Lbs, Maximum | |

D. Electrical Properties

- | | | | |
|---------------------------------|--------------------|---|--|
| (For Engineering purposes only) | | | |
| 1) | Voltage Rating | 600 V _{RMS} | |
| 2) | Capacitance | 55 pf/ft @1 kHz, Nominal Conductor to Conductor | |
| 3) | Ground Capacitance | 99 pf/ft @1 kHz, Nominal | |
| 4) | Inductance | 0.17 µH/ft, Nominal | |
| 5) | Conductor DCR | 6 Ω/1000ft @20°C, Nominal | |
| 6) | OA Shield DCR | 4 Ω/1000ft @20°C, Nominal | |

E. Other

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

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