

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 3243
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Issue: 4
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Effective Date: 8/1/2005

A. Construction

Diameters (In)

- | | | | |
|----|----------------|--|-------|
| 1) | Component 1 | 4 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	3	RED		
2	BLACK	4	GREEN		

- | | | | |
|----|----------------|-------------------------------------|--------------------|
| 2) | Cable Assembly | 4 Components Cabled | |
| | a) Twists: | 4.4 Twists/foot (min) | |
| | b) Core Wrap | Clear Mylar Tape, 25% Overlap, Min. | |
| 3) | Shield | TC BRAID Shield, 90% Coverage, Min. | |
| 4) | Jacket | 0.023" Wall, Nom., PVC | 0.261 (0.277 Max.) |
| | a) Color(s) | SLATE | |
| | b) Print | ALPHA WIRE-* P/N 3243 | |
| | | 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 67 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 3 Ω/1000ft @20°C, Nominal

E. Other

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

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