

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 7624
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Issue: 4
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A. Construction

Diameters

- | | | | |
|----|----------------|-----------------------------------|-------|
| 1) | Component 1 | 4 X 1 COND | |
| | a) Conductor | 24 (7/32) AWG TC | |
| | b) Insulation | 0.010" Wall, Nom. PVC, Irradiated | 0.044 |
| | (1) Color Code | Alpha Wire 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: | 8.0 Twists/foot (min) | |
| | b) Core Wrap | Clear Mylar Tape, 25% Overlap, Min. | |
| 3) | Shield | TC BRAID Shield, 90% Coverage, Min. | |
| 4) | Jacket | 0.025" Wall, Nom., PVC | 0.181 (0.192 Max.) |
| | a) Color(s) | WHITE | |
| | b) Print | ALPHA WIRE-* P/N 7624 | |
| | | ROHS | |
| | | * = Factory Code | |

B. Industry Approvals

- | | | | |
|----|--------------------------------|--|--------------|
| 1) | Military | 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 | 18 Lbs, Maximum |

D. Electrical Properties

- | | | |
|---------------------------------|--------------------|---|
| (For Engineering purposes only) | | |
| 1) | Voltage Rating | 600 V _{RMS} |
| 2) | Capacitance | 39 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) | Ground Capacitance | 70 pf/ft @1 kHz, Nominal |
| 4) | Inductance | 0.19 µH/ft, Nominal |
| 5) | Conductor DCR | 26 Ω/1000ft @20°C, Nominal |
| 6) | OA Shield DCR | 5.1 Ω/1000ft @20°C, Nominal |

E. Other

- | | |
|----|------------|
| 1) | Packaging |
| | a) 1000 FT |

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