

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6644
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Issue: 5
Issue Date: 2/13/2006
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A. Construction

Diameters

- | | | | |
|----|----------------|-----------------------------------|-------|
| 1) | Component 1 | 4 X 1 COND | |
| | a) Conductor | 20 (7/28) AWG TC | |
| | b) Insulation | 0.010" Wall, Nom. PVC, Irradiated | 0.058 |
| | (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: | 6.0 Twists/foot (min) | |
| | b) Core Wrap | Clear Mylar Tape, 25% Overlap, Min. | |
| 3) | Jacket | 0.032" Wall, Nom.,PVC | 0.207 (0.218 Max.) |
| | a) Color(s) | WHITE | |
| | b) Print | ALPHA WIRE-* P/N 6644
RU AWM 2576 VW-1 80C 150V ROHS | |
| | | * = Factory Code | |

B. Industry Approvals

- | | | | |
|----|--------------------------------|--------------------|--------------|
| 1) | UL | AWM/STYLE2576 | 80°C / 150V |
| | | VW-1 | |
| 2) | Military | MIL-W-16878/Type B | 105°C / 600V |
| 3) | 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.

- 4) 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 | 35 Lbs, Maximum |

D. Electrical Properties

(For Engineering purposes only)

- | | | |
|----|----------------|---|
| 1) | Voltage Rating | 600 V _{RMS} |
| 2) | Capacitance | 30 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) | Inductance | 0.17 µH/ft, Nominal |
| 4) | Conductor DCR | 10.2 Ω/1000ft @20°C, Nominal |

E. Other

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

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