

**ALPHA WIRE COMPANY**  
**CUSTOMER PRODUCT SPECIFICATION**

Part Number: 6623  
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Issue: 5  
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**A. Construction**

Diameters

- |                |                                   |       |
|----------------|-----------------------------------|-------|
| 1) Component 1 | 3 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
1	WHITE	2	BLACK
3	RED		

- |                   |                                                                             |                    |
|-------------------|-----------------------------------------------------------------------------|--------------------|
| 2) Cable Assembly | 3 Components Cabled                                                         |                    |
| a) Twists:        | 9.6 Twists/foot (min)                                                       |                    |
| b) Core Wrap      | Clear Mylar Tape, 25% Overlap, Min.                                         |                    |
| 3) Jacket         | 0.032" Wall, Nom.,PVC                                                       | 0.162 (0.172 Max.) |
| a) Color(s)       | WHITE                                                                       |                    |
| b) Print          | ALPHA WIRE-* P/N 6623<br>RU AWM 2576 VW-1 80C 150V ROHS<br>* = Factory Code |                    |

**B. Industry Approvals**

- |                                   |                       |              |
|-----------------------------------|-----------------------|--------------|
| 1) UL                             | AWM/STYLE2576<br>VW-1 | 80°C / 150V  |
| 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      | 10.6 Lbs, Maximum  |

**D. Electrical Properties**

(For Engineering purposes only)

- |                   |                                                 |
|-------------------|-------------------------------------------------|
| 1) Voltage Rating | 600 V <sub>RMS</sub>                            |
| 2) Capacitance    | 26 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Inductance     | 0.19 µH/ft, Nominal                             |
| 4) Conductor DCR  | 26 Ω/1000ft @20°C, Nominal                      |

**E. Other**

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

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