

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

**Part Number: 1072**  
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**Issue: 4**  
**Issue Date: 5/19/2005**  
**Effective Date: 8/1/2005**

**A. Construction**

**Diameters (In)**

- |                |                                 |       |
|----------------|---------------------------------|-------|
| 1) Component 1 | 12 X 1 COND                     |       |
| a) Conductor   | 16 (19/.0117) AWG TC            |       |
| b) Insulation  | 0.032" Wall, Nom. PVC           | 0.123 |
| (1) Color Code | Alpha Wire Company Color Code F |       |

Cond	Color	Cond	Color	Cond	Color
1	BLACK	5	ORANGE	9	GREEN/BLACK
2	WHITE	6	BLUE	10	ORANGE/BLACK
3	RED	7	WHITE/BLACK	11	BLUE/BLACK
4	GREEN	8	RED/BLACK	12	BLACK/WHITE

- |                   |   |                    |
|-------------------|---|--------------------|
| 2) Cable Assembly | 12 Components Cabled  |                    |
| a) Twists:        | 1.6 Twists/foot (min)   |                    |
| b) Core Wrap      | Clear Mylar Tape, 25% Overlap, Min.   |                    |
| 3) Jacket         | 0.063" Wall, Nom., PVC  | 0.640 (0.669 Max.) |
| a) Color(s)       | SLATE   |                    |
| b) Print          | ALPHA WIRE-* P/N 1072<br>RU AWM 2463 VW-1 80C 600V ROHS<br>* = Factory Code |                    |

**B. Industry Approvals**

- |                                   |  |                             |
|-----------------------------------|--|-----------------------------|
| 1) UL                             | AWM/STYLE 2463   | 80°C / 600 V <sub>RMS</sub> |
|                                   | VW-1   |                             |
| 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 | -20 to 80°C        |
| 2) Bend Radius       | 10X Cable Diameter |
| 3) Pull Tension      | 245 Lbs, Maximum   |

**D. Electrical Properties**

- |                                 |   |
|---------------------------------|---|
| (For Engineering purposes only) |   |
| 1) Voltage Rating               | 600 V <sub>RMS</sub>                            |
| 2) Capacitance                  | 28 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Inductance                   | 0.2 µH/ft, Nominal                              |
| 4) Conductor DCR                | 4.4 Ω/1000ft @20°C, Nominal                     |

**E. Other**

- |              |  |
|--------------|--|
| 1) Packaging |  |
|--------------|--|

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