

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

**Part Number: 3075**  
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**Issue: 8**  
**Issue Date: 5/6/2009**  
**Effective Date: 5/6/2009**

**A. Construction**

**Diameters (In)**

- |                |   |                |
|----------------|---|----------------|
| 1) Component 1 | 1 X 1 HOOKUP  |                |
| a) Conductor   | 18 (16/30) AWG TC   |                |
| b) Insulation  | 0.032" Wall, Nom. PVC   | 0.111+/- 0.004 |
| (1) Print      | EXXXXXX (UL) MTW 600V OR AWM STYLE 1015 105C<br>600V VW-1 18 AWG LLXXXXXX CSA TEW 105C 600V FT1<br>ROHS |                |
|                | <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i>              |                |
| (2) Color(s)   | WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN<br>ORANGE, SLATE, VIOLET, GREEN/YELLOW, YELLOW/GREEN      |                |

**B. Industry Approvals**

- |                      |                |                              |
|----------------------|----------------|------------------------------|
| 1) UL                | AWM/STYLE 1015 | 105°C / 600 V <sub>RMS</sub> |
|                      | MTW            | 90°C / 600 V <sub>RMS</sub>  |
| 2) CSA International | TEW-105        | 105°C / 600 V <sub>RMS</sub> |

**C. Environmental Approvals**

- |                                   |  |
|-----------------------------------|--|
| 1) 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. |
| 2) California Proposition 65:     | The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.   |

**D. Physical & Mechanical Properties**

- |                      |                    |
|----------------------|--------------------|
| 1) Temperature Range | -20 to 105°C       |
| 2) Bend Radius       | 10X Cable Diameter |
| 3) Pull Tension      | 12.6 Lbs, Maximum  |

**E. Electrical Properties**

- |                   |                                 |
|-------------------|---------------------------------|
|                   | (For Engineering purposes only) |
| 1) Voltage Rating | 600 V <sub>RMS</sub>            |
| 2) Inductance     | 0.07 µH/ft, Nominal             |
| 3) Conductor DCR  | 7.1 Ω/1000ft @20°C, Nominal     |

**F. Other**

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

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