

1. CONDUCTOR

Material: Tin plated copper per ASTM B3, B33
 Construction: 12 AWG 65/30
 Diameter: 0.091" nom

2. INSULATION

Material: Radiation crosslinked flexible polyethylene
 Wall thickness: 0.017" nom
 Diameter: 0.125" nom
 Color: See Table 1
 Marking: JUDD WIRE 150C 600VDC

3. PHYSICAL CHARACTERISTICS

Temperature rating: 150 °C
 Voltage rating: 600 V_{ac}
 Weight: 23.8 lbs per 1000', nom

4. PERFORMANCE PROPERTIES

Mechanical – UL 1581

Tensile Strength

Unaged 1500 psi, min
 Aged 85% retention, min

Elongation

Unaged 300%, min
 Aged 85% retention, min

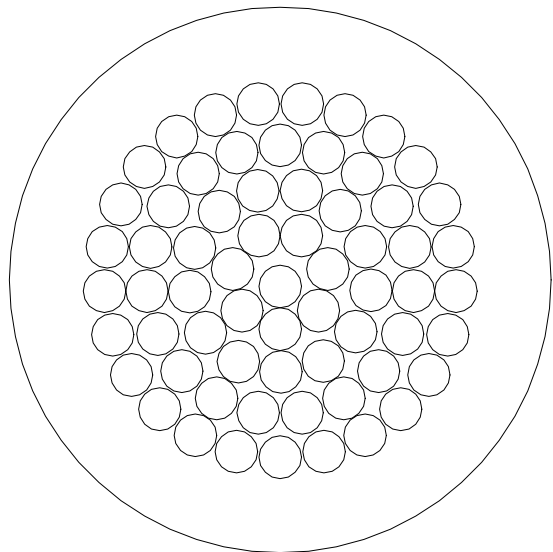
Deformation 50%, max

Electrical – UL 1581

Dielectric Test (Method I)

Unaged 2000 V_{ac}
 Aged Greater than 50% of
 average breakdown voltage

Spark Test 7500 V_{ac}



PERFORMANCE PROPERTIES (cont'd)

Thermal – UL 758

Cold bend No visible cracking

Flame

Horizontal Flame Test Shall not ignite cotton

5. REFERENCE SPECIFICATIONS

UL AWM style 3613
 UL Standard 758
 UL Standard 1581

Table 1

| | | | | | |
|-------|--------|------|--------|--------|-------|
| Black | Brown | Red | Orange | Yellow | Green |
| Blue | Violet | Gray | White | Tan | Pink |

Special colors and stripes available upon request



JUDD WIRE INC.
 124 Turnpike Road
 Turners Falls, MA 01376
 (413) 863-4357

| Date | Rev | By | Appr'd | ECN |
|--------------------|-----|------|--------|--------|
| 08/19/04 | --- | EJK | GBM | --- |
| 10/12/04 | B | EJK | GT | 04-043 |
| 10/04/10 | C | ARJP | RTB | 10-862 |
| Customer Approval: | | | | |

Description:

**HIGH VOLTAGE HOOKUP,
 12 AWG 65/30, XLPE**

Specification Number:

JW1036-04

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