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**UL 3616 - UL-AWM FILE NO. E174208**

**SILICONE HIGH VOLTAGE - HIGH CURRENT - RoHS Compliant**

**HIGH TEMPERATURE - APPLIANCE WIRE**

**OUTSTANDING FEATURES:**

| HIGH VOLTAGE 20 KVDC THRU 60 KVDC                            |                        |                    |  |         |         | HIGH FLEXIBILITY           |         |         |         |         |         |
|--|------------------------|--------------------|--|---------|---------|----------------------------|---------|---------|---------|---------|---------|
| HIGH TEMPERATURE 150°C RATING                                |                        |                    |  |         |         | OZONE AND CORONA RESISTANT |         |         |         |         |         |
| 8 AWG THRU 2 AWG CONDUCTORS                                  |                        |                    |  |         |         | MEETS VW -1 FLAME TEST     |         |         |         |         |         |
| CONDUCTOR SPECIFICATIONS                                     |                        |                    | VOLTAGE RATINGS - NOMINAL DIAMETERS ( Inches ) |         |         |                            |         |         |         |         |         |
| SIZE   | CONDUCTOR CONSTRUCTION | CONDUCTOR DIAMETER | 20 KVDC  | 25 KVDC | 30 KVDC | 35 KVDC                    | 40 KVDC | 45 KVDC | 50 KVDC | 55 KVDC | 60 KVDC |
| 8.000  | 133/29                 | 0.169              | 0.270  | 0.295   | 0.320   | 0.340                      | 0.363   | 0.412   | 0.452   | 0.468   | 0.482   |
| 6.000  | 133/014                | 0.213              | 0.315  | 0.340   | 0.365   | 0.385                      | 0.408   | 0.455   | 0.495   | 0.512   | 0.525   |
| 4.000  | 133/0177               | 0.269              | 0.375  | 0.395   | 0.420   | 0.440                      | 0.463   | 0.513   | 0.552   | 0.568   | 0.582   |
| 2.000  | 133/0223               | 0.336              | 0.440  | 0.463   | 0.490   | 0.508                      | 0.530   | 0.580   | 0.618   | 0.635   | 0.648   |
| THE ABOVE LIST REPRESENTS STANDARD CONSTRUCTIONS FOR UL 3616 |                        |                    |  |         |         |                            |         |         |         |         |         |

**WHEN ORDERING USE THE FOLLOWING EXAMPLE FOR PART NUMBER: WUT-4004-9**

|                  |                |                |                   |           |             |
|------------------|----------------|----------------|-------------------|-----------|-------------|
| <b>WUT</b>       | <b>40</b>      | <b>4</b>       | <b>9 (WHITE )</b> |           |             |
| Base Part Number | Voltage Rating | Conductor Size | Color Per Dash #  |           |             |
| -0 BLACK         | -1 BROWN       | -3 ORANGE      | -5 GREEN          | -7 VIOLET | -9 WHITE    |
|                  | -2 RED         | -4 YELLOW      | -6 BLUE           | -8 GRAY   | -10 NATURAL |

**TYPICAL APPLICATIONS FOR UL3616 WIRE INCLUDE THE FOLLOWING:**

|                 |                   |  |
|-----------------|-------------------|--|
| <b>HEATERS</b>  | <b>MOTORS</b>     | <b>CORONA TREATING EQUIPMENT</b>         |
| <b>FURNACES</b> | <b>GENERATORS</b> | <b>ELECTRONIC EQUIPMENT</b>              |
| <b>Ovens</b>    | <b>DRYERS</b>     | <b>REQUIRING HIGH VOLTAGE &amp; HIGH</b> |