

**CHARACTER:**

**1.Physical performance**

- a、 Good elasticity, softness
- b、 Good adsorption ability
- c、 Good heat resistance
- d、 Good cold resistance
- e、 Good weather
- f、 Chemistry stability is good
- j、 Good thermal performance
- h、 Good flame retardancy

**2.Electrical Properties**

- a、 Electrical insulation good
- b、 Has the very high resistivity

**3.Processing properties**

- a、 Use cold extrusion processing
- b、 Or use the high temperature vulcanization process
- c、 Good processing properties Harness
- d、 Harness processing process good compatibility
- e、 According to UL standard design

**4.Environmental protection**

- a、 ROHS/REACH compliant
- b、 Inodorous Atoxic

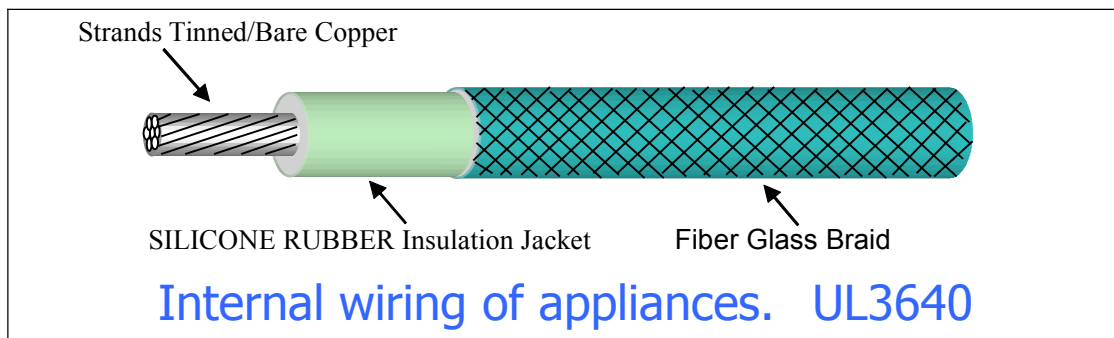
**SHOULD BE USED:**

Internal wiring of appliances.

**REFERENCE:**

UL758-2010、 UL1581-2009

**Outline:**



**Wire structure description:**

Conductor: Tinned /Bare copper ;  
 Insulation materials: SILICONE RUBBER Insulation  
 Braid:Fiber Glass Braid

Internal wiring 。 Conductor temperature not over 180℃ silicone rubber insulated wire  
 Rated temperature: 180℃ rated voltage: 1100V

| STYLE | standard AWG | Conductor size (No./ mm) ±0.005mm | Conductor resistance 20℃ (Ω/Km) | Conductor Dia.(mm) | insulation thickness (mm) |      | Overall diameter (mm) |       |
|-------|--------------|-----------------------------------|---------------------------------|--------------------|---------------------------|------|-----------------------|-------|
|       |              |                                   |                                 |                    | Nom.                      | Min. | Nom.                  | Tole. |
| 3640  | 1            | 19/44/0.254                       | 0.440                           | 9.72               | 1.27                      | 1.14 | 12.66                 | ±0.20 |
|       | 2            | 7/95/0.254                        | 0.555                           | 8.58               | 1.27                      | 1.14 | 11.52                 | ±0.20 |
|       | 3            | 19/28/0.254                       | 0.700                           | 7.75               | 1.27                      | 1.14 | 10.69                 | ±0.20 |
|       | 4            | 7/60/0.254                        | 0.882                           | 6.82               | 1.27                      | 1.14 | 9.76                  | ±0.20 |
|       | 5            | 7/46/0.254                        | 1.113                           | 5.97               | 1.27                      | 1.14 | 8.91                  | ±0.20 |
|       | 6            | 7/38/0.254                        | 1.403                           | 5.41               | 1.27                      | 1.14 | 8.35                  | ±0.20 |
|       | 7            | 7/30/0.254                        | 1.768                           | 4.82               | 1.27                      | 1.14 | 7.76                  | ±0.15 |
|       | 8            | 16/9/0.254                        | 2.230                           | 3.80               | 1.27                      | 1.14 | 6.74                  | ±0.15 |
|       | 10           | 10/5/0.254                        | 3.54                            | 3.05               | 1.27                      | 1.14 | 5.99                  | ±0.15 |
|       | 12           | 6/5/0.254                         | 5.64                            | 2.41               | 1.27                      | 1.14 | 5.35                  | ±0.15 |
|       | 14           | 4/1/0.254                         | 8.96                            | 1.92               | 1.27                      | 1.14 | 4.86                  | ±0.15 |
| 16    | 2/6/0.254    | 14.60                             | 1.50                            | 1.27               | 1.14                      | 4.44 | ±0.1                  |       |

Fiber Glass Braid thickness(mm): 0.20mm

**Marking:** E211048 AWM STYLE 3640 NO.AWG 180℃ 1100V SILICONE RUBBER QIFURUI c. AWM I A 180℃ 1100V FT2 -LF-

**SAE COLOR SERIES**

| * STOCK COLOR CHART |          |         |           |            |
|---------------------|----------|---------|-----------|------------|
| 00-BLACK            | 01-WHITE | 02-RED  | 03-YELLOW | 04-GREEN   |
| 05-BLUE             | 06-BROWN | 07-GREY | 08-ORANGE | 09- VIOLET |

**PACKAGE**

| *PACKAGE |   |   |  |                                 |  |
|----------|---|---|--|---------------------------------|--|
| Part No. | Packing- Ft/roll                          |   |  |                                 |  |
| 1-5AWG   | <input checked="" type="checkbox"/> 250Ft | <input type="checkbox"/> 500Ft            | <input type="checkbox"/> 1000Ft            | <input type="checkbox"/> 2000Ft |  |
| 6-12AWG  | <input type="checkbox"/> 250Ft            | <input checked="" type="checkbox"/> 500Ft | <input type="checkbox"/> 1000Ft            | <input type="checkbox"/> 2000Ft |  |
| 14-16AWG | <input type="checkbox"/> 250Ft            | <input type="checkbox"/> 500Ft            | <input checked="" type="checkbox"/> 1000Ft | <input type="checkbox"/> 2000Ft |  |

According to customer requirements for packaging packaging