

**CHARACTER:**

**1. Physical performance**

- a、 Good mechanical properties
- b、 Good resistance to high temperature, low temperature resistance
- c、 Good flame retardancy
- d、 Good corrosion resistance
- e、 Good resistance to climate
- f、 Good lubricity (small friction coefficient)

**2. Electrical Properties**

- a、 Electrical insulation good
- b、 Has the very high resistivity
- c、 Low dielectric constant 2.1

**3. Processing properties**

- a、 Use half extrusion processing
- b、 Good wire processing performance
- c、 In the process of wire processing good compatibility
- d、 According to UL standard design

**4. Environmental protection**

- a、 ROHS/REACH compliant
- b、 nonhazardous

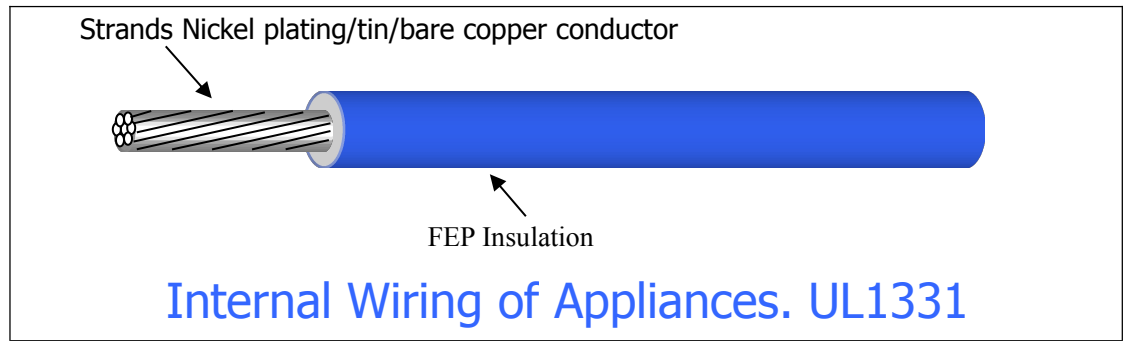
**SHOULD BE USED:**

Internal Wiring of Appliances.

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



**Wire structure description:**  
 Conductor: Nickel plating/tin/bare copper conductor;  
 Insulation materials: FEP Insulation

Conductor temperature not over 150°C FEP insulated wire  
 Rated temperature: 150°C rated voltage: 600V

| STYLE | standard AWG | Conductor size (No./ mm) ±0.005mm | Conductor resistance 20°C (Ω/Km) | Conductor Dia.(mm) | insulation thickness (mm) |      | Overall diameter (mm) |       |
|-------|--------------|-----------------------------------|----------------------------------|--------------------|---------------------------|------|-----------------------|-------|
|       |              |                                   |                                  |                    | Nom.                      | Min. | Mon.                  | Tol.  |
| 1331  | 10           | 37/0.42                           | 3.54                             | 2.94               | 0.50                      | 0.45 | 3.94                  | ±0.15 |
|       | 12           | 37/0.374                          | 5.64                             | 2.62               | 0.50                      | 0.45 | 3.62                  | ±0.15 |
|       | 14           | 19/0.361                          | 8.96                             | 1.85               | 0.50                      | 0.45 | 2.90                  | ±0.10 |
|       | 16           | 19/0.287                          | 14.60                            | 1.50               | 0.50                      | 0.45 | 2.50                  | ±0.10 |
|       | 18           | 19/0.235                          | 23.20                            | 1.18               | 0.50                      | 0.45 | 2.20                  | ±0.10 |
|       | 20           | 19/0.19                           | 36.70                            | 0.95               | 0.50                      | 0.45 | 1.95                  | ±0.10 |
|       | 22           | 19/0.15                           | 59.40                            | 0.76               | 0.50                      | 0.45 | 1.75                  | ±0.10 |
|       | 24           | 7/0.20                            | 94.20                            | 0.61               | 0.50                      | 0.45 | 1.60                  | ±0.10 |
|       | 26           | 7/0.16                            | 150.00                           | 0.48               | 0.50                      | 0.45 | 1.50                  | ±0.10 |
|       | 28           | 1/0.32                            | 227.00                           | 0.32               | 0.50                      | 0.45 | 1.32                  | ±0.10 |
| 30    | 1/0.254      | 361.00                            | 0.254                            | 0.50               | 0.45                      | 1.26 | ±0.10                 |       |

**Marking:** E211048 AWM STYLE 1331 NO. AWG 150°C 600V FEP VW-1 QIFURUI  
 C AWM I A 150°C 600V FT1 -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 |          |          | 3F |
| 10AWG  | ■ 500Ft          | □ 1000Ft | □ 2000Ft |    |
| 12~20AWG   | □ 500Ft          | ■ 1000Ft | □ 2000Ft |    |
| 22-30AWG   | □ 500Ft          | □ 1000Ft | ■ 2000Ft |    |
| According to customer requirements for packaging packaging |                  |          |          |    |