

**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)
- g、 Excellent resistance to radiation
- h、 Good resistance to twists
- i、 Good not sticky

**2. Electrical Properties**

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

**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

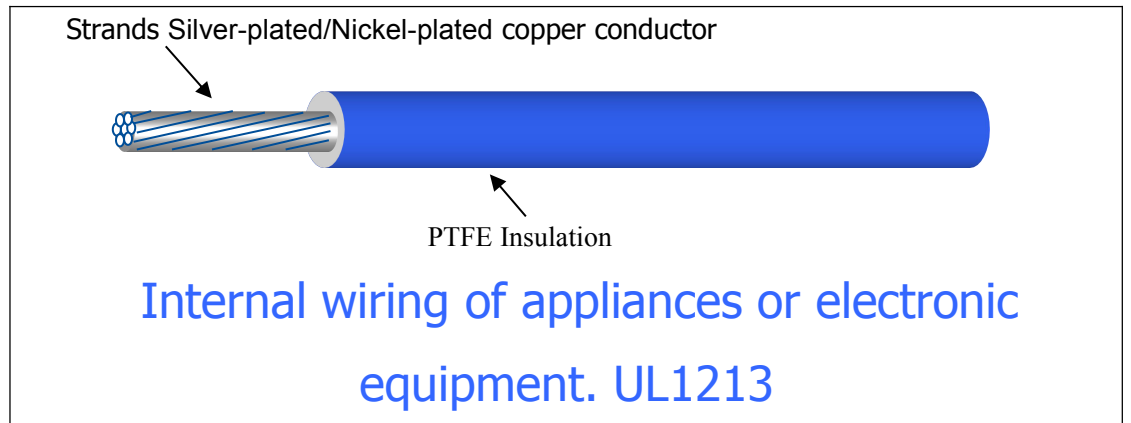
**SHOULD BE USED:**

Internal wiring where not subjected to mechanical abuse, Oil Resistant 60 deg C.

**REFERENCE:**

UL758-2010、 UL1581-2009

**Outline:**



**Wire structure description:**  
 Conductor: Tin-plated/Silver-plated/Nickel-plated/ copper conductor;  
 Insulation materials: PTFE Insulation

Conductor temperature not over 105°C PTFE insulated wire  
 Rated temperature: 105°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   |
| 1213  | 12           | 37/0.374                          | 5.64                             | 2.62               | 0.33                      | 0.30 | 3.28                  | ±0.15 |
|       | 12           | 19/0.5                            | 5.64                             | 2.52               | 0.33                      | 0.30 | 3.18                  | ±0.15 |
|       | 14           | 19/0.361                          | 8.96                             | 1.85               | 0.25                      | 0.18 | 2.35                  | ±0.15 |
|       | 16           | 19/0.287                          | 14.60                            | 1.45               | 0.25                      | 0.18 | 1.95                  | ±0.10 |
|       | 18           | 1/1.02                            | 23.20                            | 1.02               | 0.25                      | 0.18 | 1.52                  | ±0.10 |
|       | 18           | 7/0.39                            | 23.20                            | 1.18               | 0.25                      | 0.18 | 1.68                  | ±0.10 |
|       | 18           | 19/0.235                          | 23.20                            | 1.18               | 0.25                      | 0.18 | 1.68                  | ±0.10 |
|       | 20           | 19/0.19                           | 36.70                            | 0.95               | 0.25                      | 0.18 | 1.45                  | ±0.10 |
|       | 20           | 1/0.813                           | 35.20                            | 0.813              | 0.25                      | 0.18 | 1.31                  | ±0.10 |
|       | 20           | 7/0.32                            | 36.70                            | 0.98               | 0.25                      | 0.18 | 1.48                  | ±0.10 |
|       | 22           | 19/0.15                           | 59.40                            | 0.76               | 0.25                      | 0.18 | 1.26                  | ±0.10 |
|       | 22           | 7/0.254                           | 59.40                            | 0.76               | 0.25                      | 0.18 | 1.26                  | ±0.10 |
|       | 22           | 1/0.65                            | 59.40                            | 0.65               | 0.25                      | 0.18 | 1.15                  | ±0.10 |
|       | 24           | 19/0.12                           | 94.20                            | 0.61               | 0.25                      | 0.18 | 1.10                  | ±0.10 |
|       | 24           | 7/0.20                            | 94.20                            | 0.61               | 0.25                      | 0.18 | 1.10                  | ±0.10 |
|       | 26           | 7/0.16                            | 150.00                           | 0.49               | 0.25                      | 0.18 | 0.99                  | ±0.10 |
|       | 26           | 19/0.1                            | 150.00                           | 0.50               | 0.25                      | 0.18 | 1.00                  | ±0.10 |
|       | 28           | 7/0.127                           | 239.00                           | 0.39               | 0.25                      | 0.18 | 0.89                  | ±0.10 |
| 30    | 7/0.1        | 361                               | 0.30                             | 0.25               | 0.18                      | 0.80 | ±0.10                 |       |
| 30    | 1/0.254      | 361.00                            | 0.254                            | 0.25               | 0.18                      | 0.75 | ±0.10                 |       |

**Marking:** E211048 AWM STYLE 1213 NO.AWG 105°C 600V VW-1 PTFE QIFURUI -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               |                                            |                                            |
| 12-16AWG | <input type="checkbox"/> 500Ft | <input checked="" type="checkbox"/> 1000Ft | <input type="checkbox"/> 2000Ft            |
| 18-30AWG | <input type="checkbox"/> 500Ft | <input type="checkbox"/> 1000Ft            | <input checked="" type="checkbox"/> 2000Ft |

According to customer requirements for packaging packaging