

**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

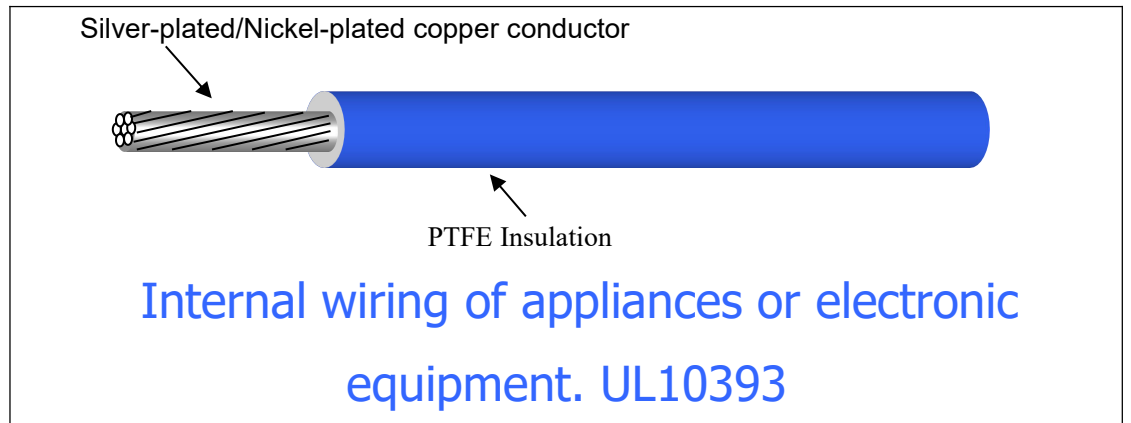
**SHOULD BE USED:**

Internal wiring of appliances and electronic equipment

**REFERENCE:**

UL758-2010、 UL1581-2009

**Outline:**



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

Conductor temperature not over 250°C PTFE insulated wire  
 Rated temperature: 250°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   |
| 10393 | 10           | 37/0.42                           | 3.54                             | 2.94               | 0.35                      | 0.30 | 3.64                  | ±0.15 |
|       | 12           | 19/0.47                           | 5.64                             | 2.35               | 0.35                      | 0.30 | 3.10                  | ±0.15 |
|       | 14           | 19/0.361                          | 8.96                             | 1.81               | 0.35                      | 0.30 | 2.51                  | ±0.10 |
|       | 16           | 19/0.287                          | 14.60                            | 1.50               | 0.33                      | 0.30 | 2.15                  | ±0.10 |
|       | 18           | 19/0.235                          | 23.20                            | 1.18               | 0.33                      | 0.30 | 1.85                  | ±0.10 |
|       | 20           | 19/0.19                           | 36.70                            | 0.95               | 0.33                      | 0.30 | 1.62                  | ±0.10 |
|       | 22           | 19/0.15                           | 59.40                            | 0.76               | 0.33                      | 0.30 | 1.40                  | ±0.10 |
|       | 22           | 7/0.254                           | 59.40                            | 0.76               | 0.33                      | 0.30 | 1.40                  | ±0.10 |
|       | 24           | 7/0.20                            | 94.20                            | 0.63               | 0.33                      | 0.30 | 1.28                  | ±0.10 |
|       | 24           | 19/0.12                           | 94.20                            | 0.60               | 0.33                      | 0.30 | 1.26                  | ±0.10 |
|       | 26           | 7/0.16                            | 150.00                           | 0.48               | 0.33                      | 0.30 | 1.15                  | ±0.10 |
|       | 28           | 7/0.127                           | 239.00                           | 0.38               | 0.33                      | 0.30 | 1.04                  | ±0.10 |
|       | 28           | 1/0.32                            | 227.00                           | 0.32               | 0.33                      | 0.30 | 0.98                  | ±0.10 |

**Marking:** E211048 AWM STYLE 10393 NO.AWG 250°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                          |  |  |  |
| 10AWG    | <input checked="" type="checkbox"/> 500Ft | <input type="checkbox"/> 1000Ft            | <input type="checkbox"/> 2000Ft            |  |
| 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