

**CHARACTER:**

**1.Physical performance**

- a、Excellent thermal stability
- b、Good mechanical properties
- c、Long-term ageing resistance
- d、high resistance to chemicals
- e、Good flame retardancy (VW-1)
- f、Suitable for water, fuel, oil, acid and alkali environment

**2.Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**3.Processing properties**

- a、Using the Half extrusion processing
- b、Can be twisted pair and multi-core
- c、According to UL standard design

**4.Environmental protection**

- a、ROHS/REACH compliant
- b、Low smoke

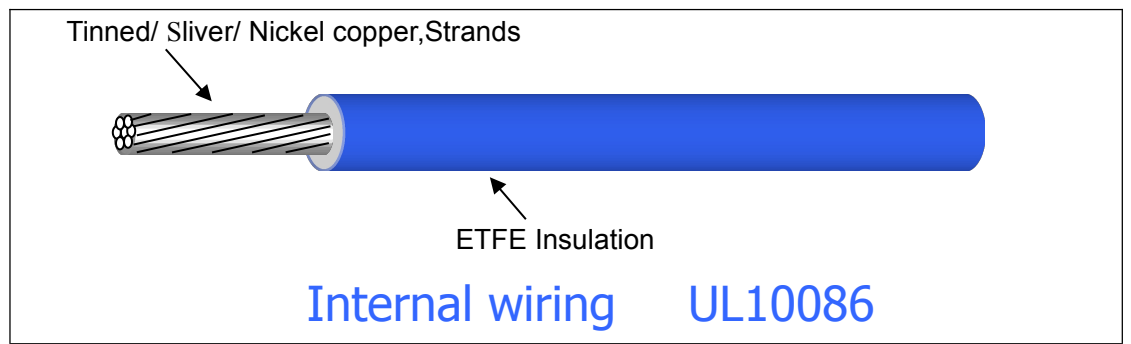
**SHOULD BE USED:**

Internal wiring of appliances and electronic equipment.

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



**Wire structure description:**

Conductor: Tinned/ Sliver/ Nickel copper, Strands  
 Insulation materials: ETFE Insulation

Conductor temperature not over 200°C ETFE insulated wire  
 Rated temperature: 200°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   |
| 10086 | 10           | 37/0.42                           | 3.54                             | 2.94               | 0.40                      | 0.33 | 3.75                  | ±0.15 |
|       | 12           | 37/0.374                          | 5.64                             | 2.62               | 0.40                      | 0.33 | 3.42                  | ±0.15 |
|       | 14           | 19/0.361                          | 8.96                             | 1.85               | 0.25                      | 0.23 | 2.35                  | ±0.10 |
|       | 16           | 19/0.287                          | 14.60                            | 1.50               | 0.25                      | 0.23 | 2.00                  | ±0.10 |
|       | 18           | 19/0.235                          | 23.20                            | 1.18               | 0.25                      | 0.23 | 1.70                  | ±0.10 |
|       | 20           | 19/0.19                           | 36.70                            | 0.95               | 0.25                      | 0.23 | 1.45                  | ±0.10 |
|       | 22           | 19/0.15                           | 59.40                            | 0.76               | 0.25                      | 0.23 | 1.26                  | ±0.10 |
|       | 24           | 7/0.20                            | 94.20                            | 0.60               | 0.25                      | 0.23 | 1.10                  | ±0.10 |
|       | 26           | 7/0.16                            | 150.00                           | 0.48               | 0.25                      | 0.23 | 1.00                  | ±0.10 |
|       | 28           | 7/0.127                           | 239.00                           | 0.38               | 0.25                      | 0.23 | 0.90                  | ±0.10 |
|       | 30           | 1/0.254                           | 361.00                           | 0.254              | 0.25                      | 0.23 | 0.75                  | ±0.10 |

**Marking:** E211048 AWM STYLE 10086 NO.AWG 200°C 600V VW-1 ETFE 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  | ■ 500Ft          | □ 1000Ft | □ 2000Ft |  |
| 12~20AWG   | □ 500Ft          | ■ 1000Ft | □ 2000Ft |  |
| 22-30AWG   | □ 500Ft          | □ 1000Ft | ■ 2000Ft |  |
| According to customer requirements for packaging packaging |                  |          |          |  |