

CHARACTER:

1.Physical performance

a、excellent mechanical properties:

Tensile strength ≥ 13.8MPa, elongation at break ≥ 200%

After aging:

Condition: 232 ± 1.0°C / 168H

Tensile strength residual rate ≥ 85% elongation at break ≥ 80%

b、Flame retardancy: VW-1, vertical combustion, burning 5 times, each time 15S, any residual flame is not more than 60S

c、Low temperature bending: -10°C ± 2°C/4H, no crack on the surface of the sample is qualified

2.Electrical Properties

a、 rated temperature: 100°C rated voltage: 30V

b、 Spark test: When passing through the test electrode, no breakdown occurs. Spark test voltage is 1KV

c、 dielectric withstand voltage: 2.0KV, 60 seconds without breakdown

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

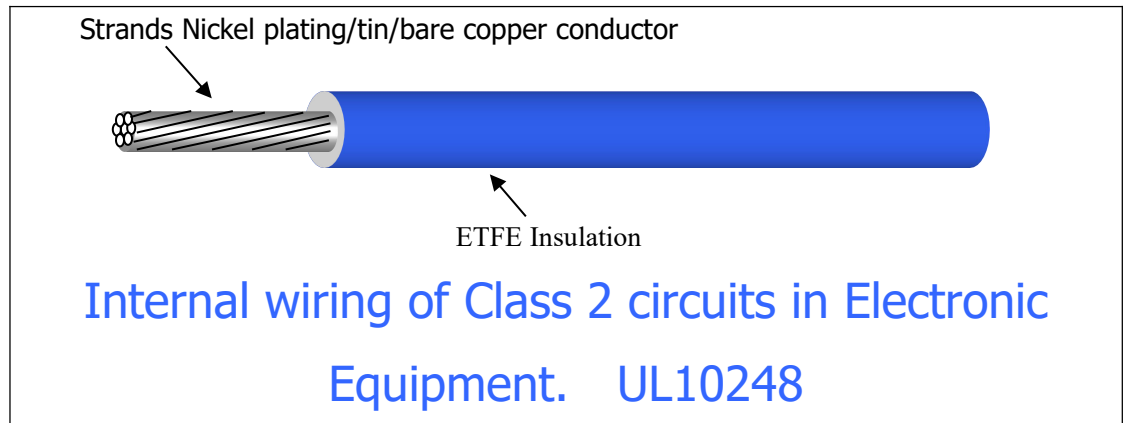
SHOULD BE USED:

Internal wiring of Class 2 circuits in Electronic Equipment.

REFERENCE:

UL758-2010、UL1581-2009

Outline:



Wire structure description:

Conductor: Nickel plating/tin/bare copper conductor;

Insulation materials: ETFE Insulation

| Conductor temperature not over 105°C ETFE insulated wire | | | | | | | | |
|--|--------------|----------------------------------|----------------------------------|--------------------|---------------------------|------|-----------------------|-------|
| Rated temperature: 105°C rated voltage: 30V | | | | | | | | |
| 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 |
| 10248 | 10 | 37/0.42 | 3.54 | 2.94 | 0.30 | 0.27 | 3.54 | ±0.15 |
| | 12 | 37/0.374 | 5.64 | 2.62 | 0.30 | 0.27 | 3.22 | ±0.15 |
| | 14 | 19/0.361 | 8.96 | 1.85 | 0.30 | 0.27 | 2.41 | ±0.10 |
| | 16 | 19/0.287 | 14.60 | 1.50 | 0.30 | 0.27 | 2.04 | ±0.10 |
| | 18 | 19/0.235 | 23.20 | 1.18 | 0.30 | 0.27 | 1.78 | ±0.10 |
| | 20 | 19/0.19 | 36.70 | 0.95 | 0.15 | 0.10 | 1.25 | ±0.10 |
| | 22 | 19/0.15 | 59.40 | 0.76 | 0.15 | 0.10 | 1.06 | ±0.10 |
| | 24 | 7/0.20 | 94.20 | 0.60 | 0.15 | 0.10 | 0.90 | ±0.10 |
| | 24 | 40/0.08 | 94.20 | 0.58 | 0.15 | 0.10 | 0.88 | ±0.10 |
| | 26 | 7/0.16 | 150.00 | 0.48 | 0.15 | 0.10 | 0.78 | ±0.10 |
| | 28 | 7/0.127 | 239.00 | 0.38 | 0.15 | 0.10 | 0.68 | ±0.10 |
| 30 | 1/0.254 | 361.00 | 0.254 | 0.15 | 0.10 | 0.55 | ±0.10 | |

Marking: E211048 AWM STYLE 10248 NO.AWG 105°C 30V 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 | | | 3F |
| 10AWG | ■ 500Ft | □ 1000Ft | □ 2000Ft | |
| 12~20AWG | □ 500Ft | ■ 1000Ft | □ 2000Ft | |
| 22-30AWG | □ 500Ft | □ 1000Ft | ■ 2000Ft | |

According to customer requirements for packaging packaging