

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 Class 2 circuits in Electronic Equipment.

REFERENCE:

UL758-2010、UL1581-2009

Outline:

Strands Nickel plating/tin/bare copper conductor



FEP Insulation

Internal wiring of Class 2 circuits in Electronic Equipment. UL10248

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

Conductor temperature not over 105℃ FEP insulated wire Rated temperature: 105℃ rated voltage: 30V								
STYLE	standard AWG	Conductor size (No./ mm) ±0.005mm	Conductor resistance 20℃ (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
	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℃ 30V VW-1 FEP 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				