

CHARACTER:

1.Physical performance

- a、excellent mechanical properties:
- Tensile strength≥13.8MPa, elongation at break≥200%
- After aging:
- Condition: 232±1.0℃/ 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℃±2℃/4H ,no crack on the surface of the sample is qualified

2.Electrical Properties

- a、rated temperature: 105℃ rated voltage: 30V
- b、Spark test: When passing through the test electrode, no breakdown occurs. Spark test voltage is 3KV
- c、dielectric withstand voltage: 2.0KV, 60 seconds without breakdown

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.

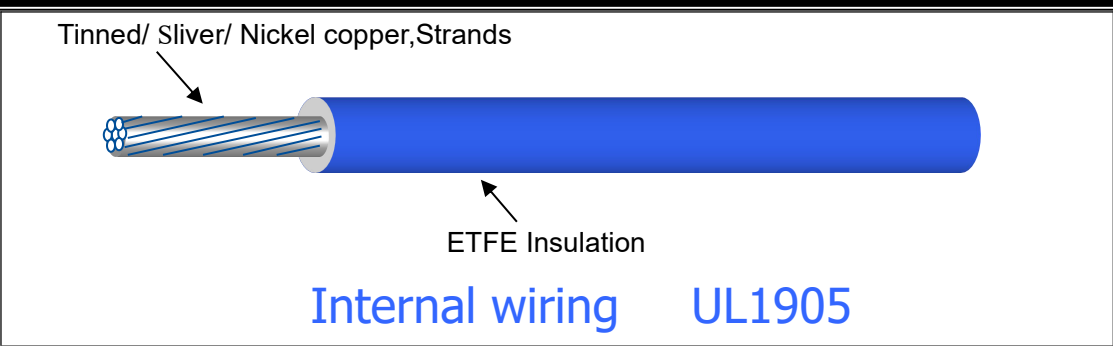
REFERENCE:

UL758-2010、UL1581-2009

Outline:

3Fproduct code:

E.g: 19052000-19
UL1905, 20AWG, black, 19/0.19, Tinned-plated



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

Conductor temperature not over 105℃ ETFE 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
1905	20	19/0.19	36.70	0.96	0.13	0.10	1.22	±0.10
	22	7/0.254	59.40	0.78	0.13	0.10	1.04	±0.10
	22	19/0.15	59.40	0.76	0.13	0.10	1.02	±0.10
	24	7/0.20	94.20	0.60	0.13	0.10	0.86	±0.10
	24	19/0.12	94.20	0.60	0.13	0.10	0.86	±0.10
	26	7/0.16	150.00	0.50	0.13	0.10	0.76	±0.10
	26	19/0.1	150.00	0.50	0.13	0.10	0.76	±0.10
	28	7/0.127	239.00	0.40	0.13	0.10	0.66	±0.10
	30	7/0.10	381.00	0.30	0.13	0.10	0.56	±0.10

Marking: E211048 AWM STYLE 1905 NO.AWG 105℃ 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			
20AWG	☐ 500Ft	☒ 1000Ft	☐ 2000Ft	
22-30AWG	☐ 500Ft	☐ 1000Ft	☒ 2000Ft	
According to customer requirements for packaging packaging				