

1.Physical properties

a. excellent mechanical properties:

Tensile strength ≥ 17.2MPa, elongation at break ≥ 200%

After aging:

Condition: 232 ± 1.0°C / 168H

Tensile strength residual rate ≥ 75% elongation at break ≥ 75%

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. 2.Electrical performance

a. rated temperature: 200°C rated voltage: 300V

b. Spark test: When passing through the test electrode, no breakdown occurs. Spark test voltage is 3000V

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

3.Processing performance

a. suitable for all conventional wire harness processing

b. If you have special needs, please let us know

4.Environmental protection

a. in line with ROHS/REACH

application:

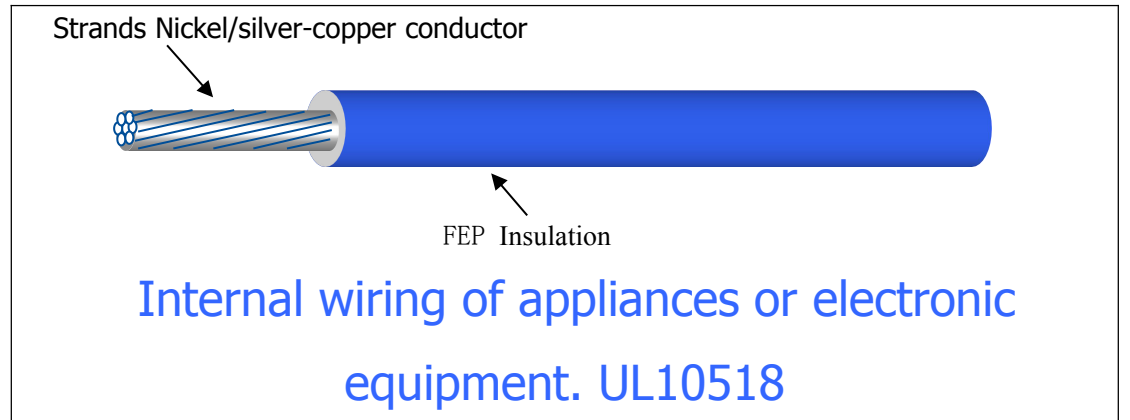
Internal wiring of electronic devices such as televisions and videos

Guideline:

UL758/UL1581

Overview:

Install electric wires inside to prevent sharp bends under impact and high temperature



Wire structure description:

Conductor: Strands Nickel/silver-copper conductor

Insulation materials: FEP Insulation

Conductor temperature not over 200°C FEP insulated wire

Rated temperature: 200°C rated voltage: 300V

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
10518	10	37/0.42	3.54	2.94	0.18	0.13	3.30	±0.15
	12	19/0.50	5.64	2.52	0.18	0.13	2.85	±0.15
	12	37/0.374	5.64	2.63	0.18	0.13	2.99	±0.15
	14	19/0.361	8.96	1.81	0.15	0.13	2.10	±0.10
	16	19/0.287	14.60	1.44	0.15	0.13	1.75	±0.10
	18	7/0.39	23.20	1.19	0.15	0.13	1.50	±0.10
	18	19/0.235	23.20	1.18	0.15	0.13	1.50	±0.10
	20	19/0.19	36.70	0.95	0.15	0.13	1.25	±0.10
	20	7/0.30	36.70	0.92	0.15	0.13	1.20	±0.10
	22	7/0.254	59.40	0.78	0.15	0.13	1.10	±0.10
	22	19/0.15	59.40	0.76	0.15	0.13	1.05	±0.10
	24	7/0.20	94.20	0.61	0.15	0.13	0.90	±0.10
	24	19/0.12	94.20	0.60	0.15	0.13	0.90	±0.10
	26	7/0.16	150.0	0.48	0.15	0.13	0.80	±0.10
	26	19/0.10	150.0	0.50	0.15	0.13	0.80	±0.10
	28	7/0.127	239.0	0.39	0.15	0.13	0.70	±0.10
30	7/0.10	381.0	0.30	0.15	0.13	0.60	±0.10	

Marking : E211048 AWM STYLE 10518 NO.AWG 200°C 300V VW-1 FEP QIFURUI c AWM IA 200°C 300V FT1 -LF-

SAECOLOR 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
11~20AWG	□ 500Ft	■ 1000Ft	□ 2000Ft
22-30AWG	□ 500Ft	□ 1000Ft	■ 2000Ft

According to customer requirements for packaging packaging

