

CHARACTER:

1.Physical performance

- a、 Tensile strength≥3.45MPa;elongation at break≥100%。
After aging:
Condition: 180℃±1℃ /168h
Tensile strength residual rate≥60%, elongation at break≥25%

- b、 Flame retardancy: FT2, horizontal burning, burning once, 30s each time, no particles or droplets igniting the cotton layer can be emitted on the sample during the test

- c、 Low temperature bending: -10℃±2℃, 4h, no crack on the surface of the sample is qualified

2.Electrical Properties

- a、 Rated temperature: 150℃ Rated voltage: 300V
- b、 Spark test: no breakdown occurs when passing through the test electrode. The spark test voltage was 3KV AC
- c、 Medium voltage: 2.0KV AC, 60 seconds without breakdown

3.Processing properties

- a、 Suitable for all conventional wiring harness processing technology
- b、 Please let us know if you have any special requirements

4.Environmental protection

- a、 ROHS/REACH compliant

SHOULD BE USED:

Internal wiring of appliances where totally enclosed.

REFERENCE:

UL758-2010、 UL1581-2009

Outline:

Internal installation of wire, to prevent impact, high temperature acute Angle bending

3Fproduct code:

eg: 31322000-10
UL3132, 20AWG, BLACK, 10/0.254, Tinned

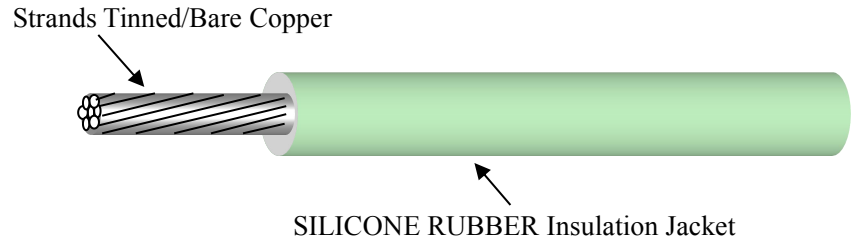
SAE COLOR SERIES

* 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			
6~10AWG	<input type="checkbox"/> 250Ft	<input checked="" type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft
12~16AWG	<input type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input checked="" type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft
18~30AWG	<input type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft

According to customer requirements for packaging packaging



Internal wiring of appliances UL3132

Wire structure description:

Conductor: Tinned /Bare copper ;
Insulation materials: SILICONE RUBBER Insulation

Internal wiring 。 Conductor temperature not over 150℃ silicone rubber insulated wire
Rated temperature: 150℃ rated voltage: 300V

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.	Nom.	Tole.
3132	6	7/38/0.254	1.403	5.41	1.15	1.02	7.85	±0.15
	8	168/0.254	2.23	3.80	1.15	1.02	5.30	±0.15
	10	105/0.254	3.54	3.00	1.15	1.02	4.66	±0.15
	12	65/0.251	5.64	2.34	0.60	0.54	3.54	±0.10
	14	41/0.251	8.96	1.86	0.55	0.50	2.96	±0.10
		41/0.254	8.96	1.88	0.55	0.50	2.98	±0.10
		7/0.616	8.96	1.88	0.55	0.50	2.98	±0.10
	16	26/0.254	14.6	1.49	0.40	0.33	2.30	±0.10
		26/0.251	14.6	1.48	0.40	0.33	2.30	±0.10
		65/0.16	14.6	1.50	0.40	0.33	2.30	±0.10
		7/0.49	14.6	1.50	0.40	0.33	2.30	±0.10
	18	50/0.18	14.6	1.47	0.40	0.33	2.27	±0.10
		16/0.254	23.2	1.17	0.40	0.33	1.97	±0.10
		7/0.39	23.2	1.19	0.40	0.33	1.99	±0.10
		41/0.16	23.2	1.18	0.40	0.33	1.98	±0.10
	20	34/0.18	23.2	1.21	0.40	0.33	2.01	±0.10
		30/0.18	23.2	1.14	0.40	0.33	1.94	±0.10
		1/1.02	22.2	1.02	0.40	0.33	1.82	±0.10
		10/0.254	36.7	0.93	0.46	0.33	1.85	±0.10
		21/0.18	36.7	0.95	0.46	0.33	1.87	±0.10
	22	1/0.813	35.2	0.81	0.46	0.33	1.73	±0.10
		7/0.30	36.7	0.92	0.46	0.33	1.85	±0.10
		26/0.16	36.7	0.94	0.46	0.33	1.85	±0.10
	24	7/0.254	59.4	0.78	0.46	0.33	1.70	±0.10
		17/0.16	59.4	0.76	0.46	0.33	1.68	±0.10
		1/0.65	56.4	0.65	0.46	0.33	1.57	±0.10
	26	7/0.26	59.4	0.79	0.46	0.33	1.70	±0.10
		7/0.20	94.2	0.61	0.40	0.33	1.41	±0.10
	28	11/0.16	94.2	0.61	0.40	0.33	1.41	±0.10
		1/0.51	89.3	0.51	0.40	0.33	1.31	±0.10
30	7/0.16	150	0.48	0.40	0.33	1.30	±0.10	
	7/0.12	239	0.37	0.40	0.33	1.17	±0.10	
		7/0.127	239	0.38	0.40	0.33	1.18	±0.10
		7/0.10	381	0.30	0.40	0.33	1.10	±0.10

Marking : E211048 AWM STYLE 3132 NO.AWG 150℃ 300V SILICONE RUBBER QIFURUI AWM I A 150℃ 300V FT2 -LF-