

CHARACTER:

1.Physical performance

- a、Excellent thermal stability
- b、Good mechanical properties
- c、Long-term ageing resistance
- d、high resistance to chemicals
- e、Good flame retardancy (VW-1)
- f、Suitable for water, fuel, oil, acid and alkali environment

2.Electrical Properties

- a、Electrical insulation good
- b、Good the dielectric properties

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:

In back panel areas of electronic computers and business machines where not subjected to movement or mechanical damage .

REFERENCE:

UL758-2010、UL1581-2009

Outline:

Tinned/ Sliver/ Nickel copper,Strands



ETFE Insulation

In back panel areas of electronic computers and business machines UL1508

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.
1508	20	19/0.19	36.70	0.95	0.15	0.13	1.25	±0.10
	22	19/0.15	59.40	0.76	0.15	0.13	1.06	±0.10
	24	7/0.20	94.20	0.60	0.15	0.13	0.90	±0.10
	26	7/0.16	150.00	0.48	0.15	0.13	0.78	±0.10
	28	1/0.32	239.00	0.32	0.15	0.13	0.62	±0.10
	28	7/0.127	239.00	0.38	0.15	0.13	0.68	±0.10
	30	1/0.254	361.00	0.254	0.15	0.13	0.55	±0.10

Marking: E211048 AWM STYLE 1508 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			
10AWG	☒ 500Ft	☐ 1000Ft	☐ 2000Ft	
12~20AWG	☐ 500Ft	☒ 1000Ft	☐ 2000Ft	
22-30AWG	☐ 500Ft	☐ 1000Ft	☒ 2000Ft	
According to customer requirements for packaging packaging				

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- 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:

In back panel areas of electronic computers and business machines where not subjected to movement or mechanical damage .

REFERENCE:

UL758-2010、UL1581-2009

Outline:

Tinned/ Sliver/ Nickel copper,Strands



ETFE Insulation

In back panel areas of electronic computers and business machines UL1513

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: 150V								
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.
1513	20	19/0.19	36.70	0.95	0.13	0.11	1.21	±0.10
	22	19/0.15	59.40	0.76	0.13	0.11	1.02	±0.10
	24	7/0.20	94.20	0.60	0.13	0.11	0.86	±0.10
	26	7/0.16	150.00	0.48	0.13	0.11	0.75	±0.10
	28	7/0.127	239.00	0.38	0.13	0.11	0.65	±0.10
	30	1/0.254	361.00	0.254	0.13	0.11	0.52	±0.10

Marking: E211048 AWM STYLE 1513 NO.AWG 105℃ 150V 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			
10AWG	☒ 500Ft	☐ 1000Ft	☐ 2000Ft	
12~20AWG	☐ 500Ft	☒ 1000Ft	☐ 2000Ft	
22-30AWG	☐ 500Ft	☐ 1000Ft	☒ 2000Ft	
According to customer requirements for packaging packaging				

CHARACTER:

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- b、Can be twisted pair and multi-core
- c、According to UL standard design

4.Environmental protection

- a、ROHS/REACH compliant
- b、Low smoke

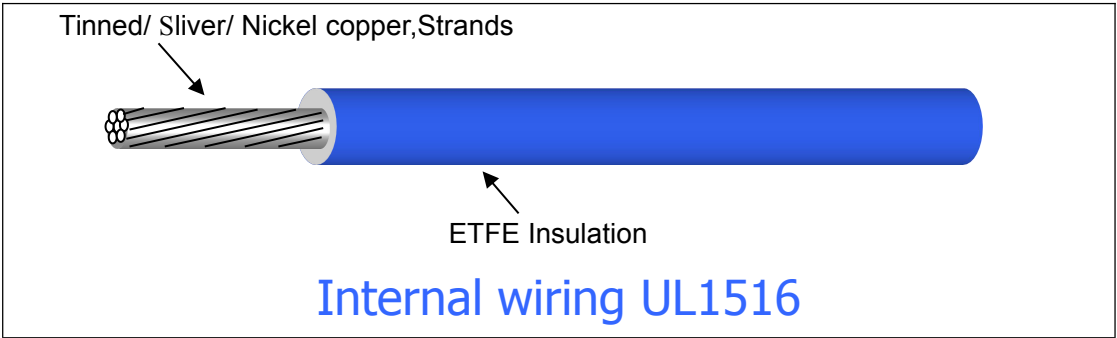
SHOULD BE USED:

Internal wiring where not subjected to movement or mechanical damage.

REFERENCE:

UL758-2010、UL1581-2009

Outline:



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

Internal wiring,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.
1516	10	37/0.42	3.54	2.94	0.30	0.24	3.54	±0.15
	10	19/0.61	3.54	3.07	0.30	0.24	3.67	±0.15
	12	37/0.374	5.64	2.62	0.30	0.24	3.22	±0.15
	14	19/0.361	8.96	1.85	0.30	0.24	2.41	±0.15
	16	19/0.287	14.60	1.50	0.30	0.24	2.04	±0.10
	18	19/0.235	23.20	1.18	0.30	0.24	1.78	±0.10
	20	19/0.19	36.70	0.95	0.15	0.12	1.25	±0.10
	22	19/0.15	59.40	0.76	0.15	0.12	1.06	±0.10
	24	7/0.20	94.20	0.60	0.15	0.12	0.90	±0.10
	26	7/0.16	150.00	0.48	0.15	0.12	0.78	±0.10
	28	7/0.127	239.00	0.38	0.15	0.12	0.68	±0.10
	30	1/0.254	361.00	0.254	0.15	0.12	0.56	±0.10

Marking: E211048  AWM STYLE 1516 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			
10AWG	☒ 500Ft	☐ 1000Ft	☐ 2000Ft	
12~20AWG	☐ 500Ft	☒ 1000Ft	☐ 2000Ft	
22-30AWG	☐ 500Ft	☐ 1000Ft	☒ 2000Ft	
According to customer requirements for packaging packaging				

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- c、Long-term ageing resistance
- d、high resistance to chemicals
- e、Good flame retardancy (VW-1)
- f、Suitable for water, fuel, oil, acid and alkali environment

2.Electrical Properties

- a、Electrical insulation good
- b、Good the dielectric properties

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:

In back panel areas of electronic computers and business machines where not subjected to movement or mechanical damage .

REFERENCE:

UL758-2010、UL1581-2009

Outline:

Tinned/ Sliver/ Nickel copper,Strands



ETFE Insulation

In back panel areas of electronic computers and business machines UL1517

Wire structure description:

Conductor: Tinned/ Sliver/ Nickel copper,Strands

Insulation materials: ETFE Insulation

Internal wiring,Conductor temperature not over 105℃ ETFE insulated wire								
Rated temperature: 105℃ rated voltage: 150V								
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.
1517	20	19/0.19	36.70	0.95	0.15	0.13	1.25	±0.10
	22	19/0.15	59.40	0.75	0.15	0.13	1.05	±0.10
	24	7/0.20	94.20	0.60	0.15	0.13	0.90	±0.10
	26	7/0.16	150.00	0.48	0.15	0.13	0.80	±0.10
	28	7/0.127	239.00	0.38	0.15	0.13	0.70	±0.10
	30	7/0.10	381.00	0.30	0.15	0.13	0.60	±0.10
	30	1/0.254	361.00	0.254	0.15	0.13	0.55	±0.10

Marking: E211048 AWM STYLE 1517 NO.AWG 105℃ 150V 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			
10AWG	☒ 500Ft	☐ 1000Ft	☐ 2000Ft	
12~20AWG	☐ 500Ft	☒ 1000Ft	☐ 2000Ft	
22-30AWG	☐ 500Ft	☐ 1000Ft	☒ 2000Ft	
According to customer requirements for packaging packaging				

CHARACTER:

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3.Processing properties

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- b、Can be twisted pair and multi-core
- c、According to UL standard design

4.Environmental protection

- a、ROHS/REACH compliant
- b、Low smoke

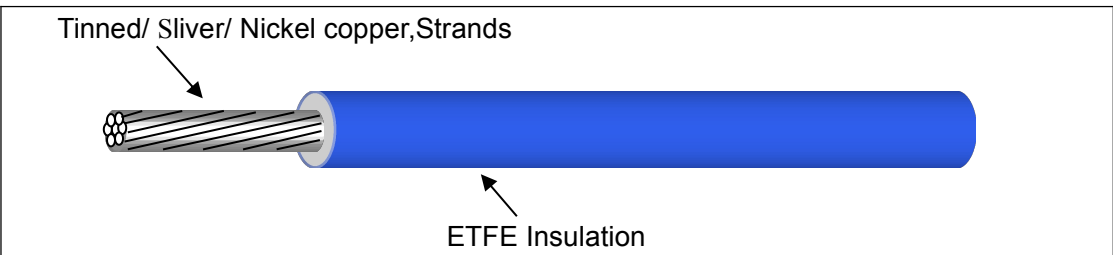
SHOULD BE USED:

In back panel areas of electronic computers and business machines where not subjected to movement or mechanical damage .

REFERENCE:

UL758-2010、UL1581-2009

Outline:



In back panel areas of electronic computers and business machines UL1523

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

Internal wiring,Conductor temperature not over 105℃ ETFE insulated wire Rated temperature: 105℃ rated voltage: 150V								
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.	Min	Max
1523	20	19/0.19	36.70	0.95	0.13	0.10	1.20	±0.10
	22	19/0.15	59.40	0.75	0.13	0.10	1.00	±0.10
	24	7/0.20	94.20	0.60	0.13	0.10	0.86	±0.10
	26	7/0.16	150.00	0.48	0.13	0.10	0.75	±0.10
	28	7/0.127	239.00	0.38	0.13	0.10	0.65	±0.10
	30	1/0.254	361.00	0.254	0.13	0.10	0.52	±0.10

Marking: E211048 AWM STYLE 1523 NO.AWG 105℃ 150V 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			
10AWG	☒ 500Ft	☐ 1000Ft	☐ 2000Ft	
12~20AWG	☐ 500Ft	☒ 1000Ft	☐ 2000Ft	
22-30AWG	☐ 500Ft	☐ 1000Ft	☒ 2000Ft	
According to customer requirements for packaging packaging				

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- c、Long-term ageing resistance
- d、high resistance to chemicals
- e、Good flame retardancy (VW-1)
- f、Suitable for water, fuel, oil, acid and alkali environment

2.Electrical Properties

- a、Electrical insulation good
- b、Good the dielectric properties

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:

In back panel areas of electronic computers and business machines where not subjected to movement or mechanical damage .

REFERENCE:

UL758-2010、UL1581-2009

Outline:

Tinned/ Sliver/ Nickel copper,Strands



ETFE Insulation

In back panel areas of electronic computers and business machines UL1538

Wire structure description:

Conductor: Tinned/ Sliver/ Nickel copper,Strands

Insulation materials: ETFE Insulation

Internal wiring,Conductor temperature not over 105℃ ETFE insulated wire								
Rated temperature: 105℃ rated voltage: 125V								
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.
1538	10	37/0.42	3.54	2.94	0.33	0.30	3.60	±0.15
	12	37/0.374	5.64	2.62	0.33	0.30	3.28	±0.15
	14	19/0.361	8.96	1.85	0.33	0.30	2.50	±0.10
	16	19/0.287	14.60	1.45	0.20	0.18	1.85	±0.10
	18	19/0.235	23.20	1.18	0.20	0.18	1.58	±0.10
	20	19/0.19	36.70	0.95	0.14	0.12	1.25	±0.10
	22	19/0.15	59.40	0.75	0.14	0.12	1.05	±0.10
	24	7/0.20	94.20	0.60	0.14	0.12	0.88	±0.10
	26	7/0.16	150.00	0.50	0.14	0.12	0.78	±0.10
	28	7/0.127	239.00	0.40	0.14	0.12	0.68	±0.10
	30	1/0.254	361.00	0.254	0.14	0.12	0.53	±0.10

Marking: E211048 AWM STYLE 1538 NO.AWG 105℃ 125V 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			
10AWG	☒ 500Ft	☐ 1000Ft	☐ 2000Ft	
12~20AWG	☐ 500Ft	☒ 1000Ft	☐ 2000Ft	
22-30AWG	☐ 500Ft	☐ 1000Ft	☒ 2000Ft	
According to customer requirements for packaging packaging				

CHARACTER:

1.Physical performance

- a、Excellent thermal stability
- b、Good mechanical properties
- c、Long-term ageing resistance
- d、high resistance to chemicals
- e、Good flame retardancy (VW-1)
- f、Suitable for water, fuel, oil, acid and alkali environment

2.Electrical Properties

- a、Electrical insulation good
- b、Good the dielectric properties

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:

In back panel areas of electronic computers and business machines where not subjected to movement or mechanical damage .

REFERENCE:

UL758-2010、UL1581-2009

Outline:

Tinned/ Sliver/ Nickel copper,Strands



ETFE Insulation

In back panel areas of electronic computers and business machines UL1558

Wire structure description:

Conductor: Tinned/ Sliver/ Nickel copper,Strands

Insulation materials: ETFE Insulation

Internal wiring,Conductor temperature not over 125℃ ETFE insulated wire								
Rated temperature: 125℃ 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.	Min	Max
1558	16	19/0. 287	14. 60	1. 50	0.10	0.08	1.70	±0.10
	18	19/0. 235	23. 20	1. 18	0.10	0.08	1.38	±0.10
	20	19/0. 19	36. 70	0. 95	0.10	0.08	1.15	±0.10
	22	19/0. 15	59. 40	0. 76	0.10	0.08	0.96	±0.10
	24	7/0. 20	94. 20	0. 60	0.10	0.08	0.80	±0.10
	26	7/0. 16	150. 00	0. 48	0.10	0.08	0.68	±0.10
	28	7/0. 127	239. 00	0. 38	0.10	0.08	0.58	±0.10
	30	1/0. 254	361. 00	0. 254	0.10	0.08	0.46	±0.10

Marking: E211048 AWM STYLE 1558 NO.AWG 125℃ 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			
10AWG	☒ 500Ft	☐ 1000Ft	☐ 2000Ft	
12~20AWG	☐ 500Ft	☒ 1000Ft	☐ 2000Ft	
22-30AWG	☐ 500Ft	☐ 1000Ft	☒ 2000Ft	
According to customer requirements for packaging packaging				

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2.Electrical Properties

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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:

In back panel areas of electronic computers and business machines where not subjected to movement or mechanical damage .

REFERENCE:

UL758-2010、UL1581-2009

Outline:

Tinned/ Sliver/ Nickel copper,Strands



ETFE Insulation

In back panel areas of electronic computers and business machines UL1586

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

Internal wiring,Conductor temperature not over 105℃ ETFE insulated wire								
Rated temperature: 105℃ rated voltage: 150V								
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
1586	10	37/0.42	3.54	2.94	0.33	0.30	3.60	±0.15
	12	37/0.374	5.64	2.62	0.33	0.30	3.28	±0.15
	14	19/0.361	8.96	1.85	0.33	0.30	2.51	±0.10
	16	19/0.287	14.60	1.50	0.20	0.18	1.90	±0.10
	18	19/0.235	23.20	1.18	0.20	0.18	1.60	±0.10
	20	19/0.19	36.70	0.95	0.15	0.13	1.25	±0.10
	22	19/0.15	59.40	0.76	0.15	0.13	1.05	±0.10
	24	7/0.20	94.20	0.60	0.15	0.13	0.90	±0.10
	26	7/0.16	150.00	0.48	0.15	0.13	0.78	±0.10
	28	7/0.127	239.00	0.38	0.15	0.13	0.68	±0.10
	30	1/0.254	361.00	0.254	0.15	0.13	0.55	±0.10

Marking: E211048 AWM STYLE 1586 NO.AWG 105℃ 150V 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			
10AWG	☒ 500Ft	☐ 1000Ft	☐ 2000Ft	
12~20AWG	☐ 500Ft	☒ 1000Ft	☐ 2000Ft	
22-30AWG	☐ 500Ft	☐ 1000Ft	☒ 2000Ft	
According to customer requirements for packaging packaging				

CHARACTER:

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2.Electrical Properties

- a、Electrical insulation good
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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

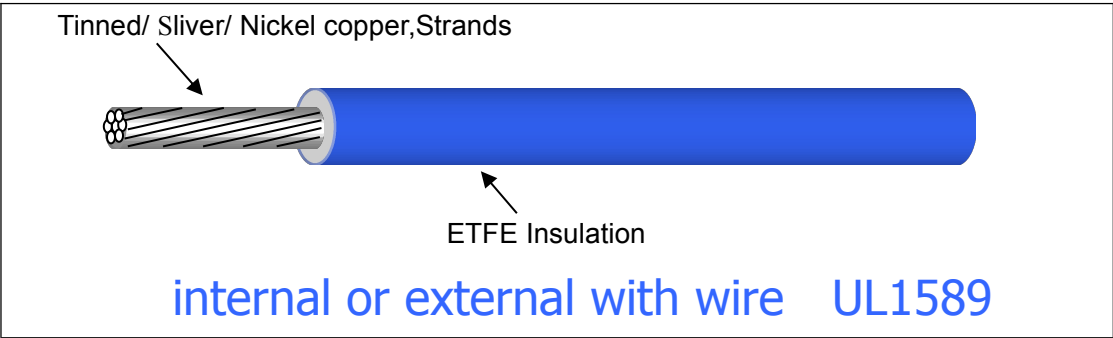
SHOULD BE USED:

internal or external with wire

REFERENCE:

UL758-2010、UL1581-2009

Outline:



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

internal or external with wire ,Conductor temperature not over 80℃ ETFE insulated wire Rated temperature: 80℃ 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.	Min	Max
1589	10	19/0.574	3.54	3.06	0.35	0.30	3.80	±0.15
	12	19/0.455	5.64	2.36	0.35	0.30	3.10	±0.15
	14	19/0.361	8.96	1.85	0.35	0.30	2.60	±0.10
	16	19/0.287	14.60	1.50	0.33	0.30	2.16	±0.10
	18	19/0.235	23.20	1.18	0.33	0.30	1.84	±0.10
	20	19/0.19	36.70	0.95	0.15	0.13	1.25	±0.10
	22	19/0.15	59.40	0.76	0.15	0.13	1.06	±0.10
	24	7/0.20	94.20	0.60	0.15	0.13	0.90	±0.10
	26	7/0.16	150.00	0.48	0.15	0.13	0.78	±0.10
	28	7/0.127	239.00	0.38	0.15	0.13	0.68	±0.10
	30	1/0.254	361.00	0.254	0.15	0.13	0.56	±0.10

Marking: E211048 AWM STYLE 1589 NO.AWG 80℃ 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			
10AWG	☒ 500Ft	☐ 1000Ft	☐ 2000Ft	
12~20AWG	☐ 500Ft	☒ 1000Ft	☐ 2000Ft	
22-30AWG	☐ 500Ft	☐ 1000Ft	☒ 2000Ft	
According to customer requirements for packaging packaging				

CHARACTER:

1.Physical performance

- a、Excellent thermal stability
- b、Good mechanical properties
- c、Long-term ageing resistance
- d、high resistance to chemicals
- e、Good flame retardancy (VW-1)
- f、Suitable for water, fuel, oil, acid and alkali environment

2.Electrical Properties

- a、Electrical insulation good
- b、Good the dielectric properties

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:

In back panel areas of electronic computers and business machines where not subjected to movement or mechanical damage .

REFERENCE:

UL758-2010、UL1581-2009

Outline:

Tinned/ Sliver/ Nickel copper,Strands



ETFE Insulation

In back panel areas of electronic computers and business machines UL1609

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: 125V								
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
1609	10	37/0.42	3.54	2.94	0.33	0.30	3.60	±0.15
	12	37/0.374	5.64	2.62	0.33	0.30	3.28	±0.15
	14	19/0.361	8.96	1.85	0.33	0.30	2.51	±0.15
	16	19/0.287	14.60	1.50	0.20	0.18	1.90	±0.10
	18	19/0.235	23.20	1.18	0.20	0.18	1.60	±0.10
	20	19/0.19	36.70	0.95	0.15	0.13	1.25	±0.10
	22	19/0.15	59.40	0.76	0.15	0.13	1.05	±0.10
	24	7/0.20	94.20	0.60	0.15	0.13	0.90	±0.10
	26	7/0.16	150.00	0.48	0.15	0.13	0.78	±0.10
	28	7/0.127	239.00	0.38	0.15	0.13	0.68	±0.10
	30	1/0.254	361.00	0.254	0.15	0.13	0.55	±0.10

Marking: E211048 AWM STYLE 1609 NO.AWG 105℃ 125V 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			
10AWG	■ 500Ft	□ 1000Ft	□ 2000Ft	
12~20AWG	□ 500Ft	■ 1000Ft	□ 2000Ft	
22-30AWG	□ 500Ft	□ 1000Ft	■ 2000Ft	
According to customer requirements for packaging packaging				

CHARACTER:

1.Physical performance

- a、Excellent thermal stability
- b、Good mechanical properties
- c、Long-term ageing resistance
- d、high resistance to chemicals
- e、Good flame retardancy (VW-1)
- f、Suitable for water, fuel, oil, acid and alkali environment

2.Electrical Properties

- a、Electrical insulation good
- b、Good the dielectric properties

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

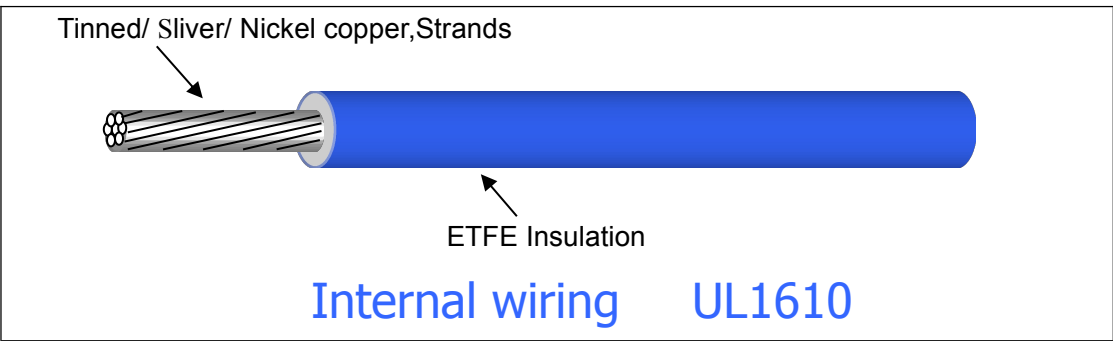
SHOULD BE USED:

Internal wiring where not subjected to movement or mechanical damage.

REFERENCE:

UL758-2010、UL1581-2009

Outline:



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: 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.	Min	Max
1610	10	19/0.574	3.54	3.05	0.25	0.23	3.55	±0.15
	12	19/0.455	5.64	2.35	0.25	0.23	2.85	±0.15
	14	19/0.361	8.96	1.85	0.25	0.23	2.35	±0.15
	16	19/0.287	14.60	1.50	0.25	0.23	1.80	±0.10
	18	19/0.235	23.20	1.18	0.25	0.23	1.70	±0.10
	20	19/0.19	36.70	0.95	0.25	0.23	1.45	±0.10
	22	19/0.15	59.40	0.76	0.25	0.23	1.25	±0.10
	24	7/0.20	94.20	0.60	0.25	0.23	1.10	±0.10
	26	7/0.16	150.00	0.48	0.25	0.23	1.0	±0.10
	28	7/0.127	239.00	0.38	0.25	0.23	0.80	±0.10
	30	1/0.254	361.00	0.254	0.25	0.23	0.75	±0.10

Marking: E211048 AWM STYLE 1610 NO.AWG 105℃ 300V 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			
10AWG	☒ 500Ft	☐ 1000Ft	☐ 2000Ft	
12~20AWG	☐ 500Ft	☒ 1000Ft	☐ 2000Ft	
22-30AWG	☐ 500Ft	☐ 1000Ft	☒ 2000Ft	
According to customer requirements for packaging packaging				

CHARACTER:

1.Physical performance

- a、Excellent thermal stability
- b、Good mechanical properties
- c、Long-term ageing resistance
- d、high resistance to chemicals
- e、Good flame retardancy (VW-1)
- f、Suitable for water, fuel, oil, acid and alkali environment

2.Electrical Properties

- a、Electrical insulation good
- b、Good the dielectric properties

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

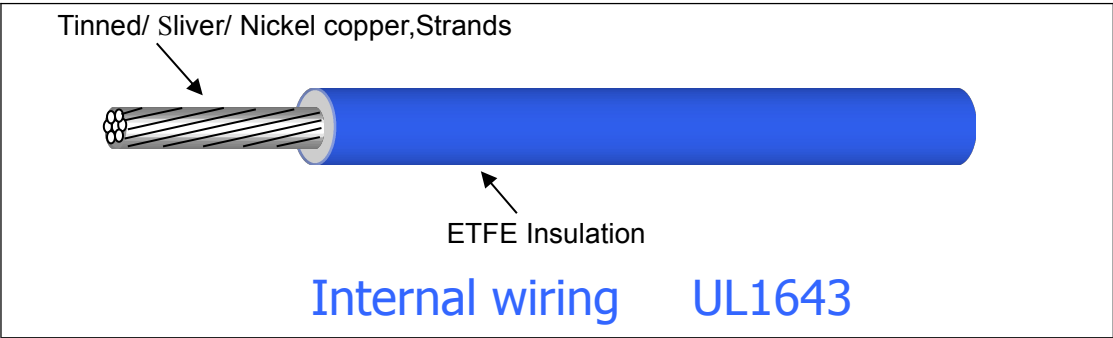
SHOULD BE USED:

Internal wiring

REFERENCE:

UL758-2010、UL1581-2009

Outline:



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

Conductor temperature not over 150℃ ETFE 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.	Min	Max
1643	10	37/0.42	3.54	2.94	0.33	0.30	3.60	±0.15
	12	37/0.374	5.64	2.62	0.33	0.30	3.28	±0.15
	14	19/0.361	8.96	1.85	0.33	0.30	2.50	±0.15
	16	19/0.287	14.60	1.50	0.33	0.30	2.16	±0.10
	18	19/0.235	23.20	1.18	0.33	0.30	1.85	±0.10
	20	19/0.19	36.70	0.95	0.33	0.30	1.60	±0.10
	22	19/0.15	59.40	0.76	0.33	0.30	1.42	±0.10
	24	7/0.20	94.20	0.60	0.33	0.30	1.26	±0.10
	26	7/0.16	150.00	0.48	0.33	0.30	1.15	±0.10
	28	7/0.127	239.00	0.38	0.33	0.30	1.05	±0.10
	30	1/0.254	361.00	0.254	0.33	0.30	0.92	±0.10

Marking: E211048 AWM STYLE 1643 NO.AWG 150℃ 300V 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			
10AWG	☒ 500Ft	☐ 1000Ft	☐ 2000Ft	
12~20AWG	☐ 500Ft	☒ 1000Ft	☐ 2000Ft	
22-30AWG	☐ 500Ft	☐ 1000Ft	☒ 2000Ft	
According to customer requirements for packaging packaging				

CHARACTER:

1.Physical performance

- a、Excellent thermal stability
- b、Good mechanical properties
- c、Long-term ageing resistance
- d、high resistance to chemicals
- e、Good flame retardancy (VW-1)
- f、Suitable for water, fuel, oil, acid and alkali environment

2.Electrical Properties

- a、Electrical insulation good
- b、Good the dielectric properties

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

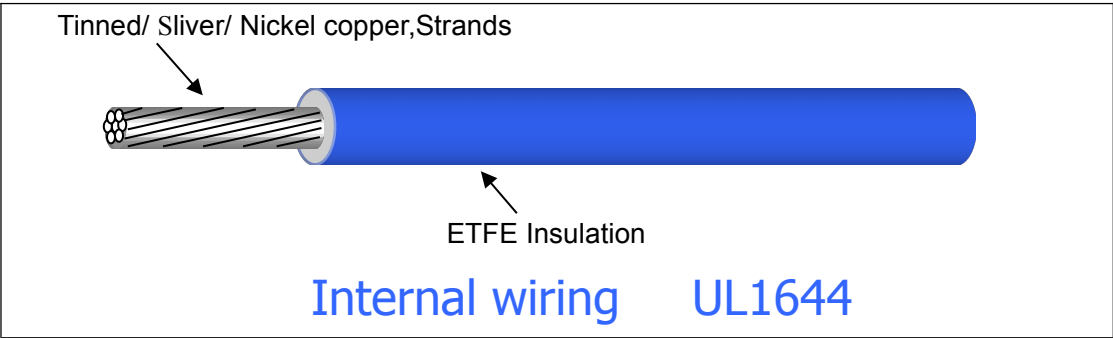
SHOULD BE USED:

Internal wiring and electronic equipment

REFERENCE:

UL758-2010、UL1581-2009

Outline:



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

Conductor temperature not over 150℃ ETFE insulated wire Rated temperature: 150℃ rated voltage: 600V								
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.
1644	10	37/0.42	3.54	2.94	0.50	0.46	3.95	±0.15
	12	37/0.374	5.64	2.62	0.50	0.46	3.62	±0.15
	14	19/0.361	8.96	1.85	0.50	0.46	2.85	±0.15
	16	19/0.287	14.60	1.50	0.50	0.46	2.50	±0.10
	18	19/0.235	23.20	1.18	0.50	0.46	2.20	±0.10
	20	19/0.19	36.70	0.95	0.50	0.46	1.95	±0.10
	22	19/0.15	59.40	0.76	0.50	0.46	1.76	±0.10
	24	7/0.20	94.20	0.60	0.50	0.46	1.60	±0.10
	26	7/0.16	150.00	0.48	0.50	0.46	1.50	±0.10
	28	7/0.127	239.00	0.38	0.50	0.46	1.40	±0.10
	30	1/0.254	361.00	0.254	0.50	0.46	1.26	±0.10

Marking: E211048 AWM STYLE 1644 NO.AWG 150℃ 600V 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			
10AWG	☒ 500Ft	☐ 1000Ft	☐ 2000Ft	
12~20AWG	☐ 500Ft	☒ 1000Ft	☐ 2000Ft	
22-30AWG	☐ 500Ft	☐ 1000Ft	☒ 2000Ft	
According to customer requirements for packaging packaging				

CHARACTER:

1.Physical performance

- a、Excellent thermal stability
- b、Good mechanical properties
- c、Long-term ageing resistance
- d、high resistance to chemicals
- e、Good flame retardancy (VW-1)
- f、Suitable for water, fuel, oil, acid and alkali environment

2.Electrical Properties

- a、Electrical insulation good
- b、Good the dielectric properties

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

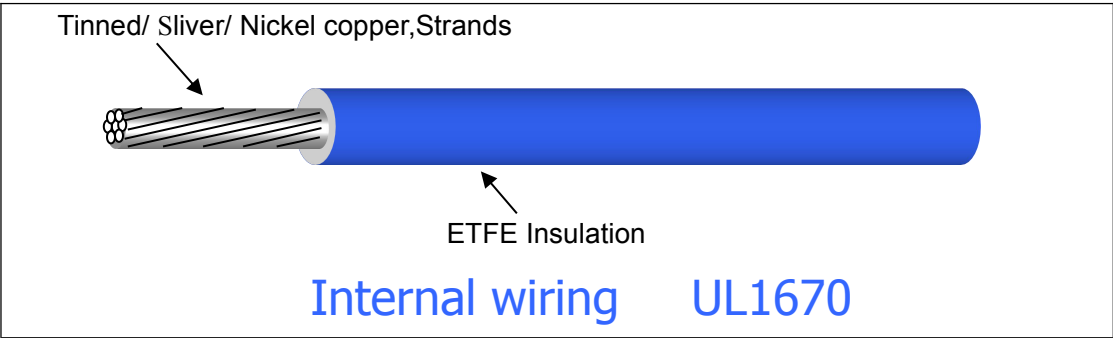
SHOULD BE USED:

Internal wiring and electronic equipment where not subject to movement or mechanical damage.

REFERENCE:

UL758-2010、UL1581-2009

Outline:



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

Conductor temperature not over 150℃ ETFE insulated wire Rated temperature: 150℃ rated voltage: 150V								
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
1670	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	0.13	0.10	1.20	±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	0.85	±0.10
	26	7/0.16	150.00	0.48	0.13	0.10	0.75	±0.10
	28	7/0.127	239.00	0.38	0.13	0.10	0.65	±0.10
	30	1/0.254	361.00	0.254	0.13	0.10	0.52	±0.10

Marking: E211048 AWM STYLE 1670 NO.AWG 150℃ 150V 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			
10AWG	☒ 500Ft	☐ 1000Ft	☐ 2000Ft	
12~20AWG	☐ 500Ft	☒ 1000Ft	☐ 2000Ft	
22-30AWG	☐ 500Ft	☐ 1000Ft	☒ 2000Ft	
According to customer requirements for packaging packaging				

CHARACTER:

1.Physical performance

- a、Excellent thermal stability
- b、Good mechanical properties
- c、Long-term ageing resistance
- d、high resistance to chemicals
- e、Good flame retardancy (VW-1)
- f、Suitable for water, fuel, oil, acid and alkali environment

2.Electrical Properties

- a、Electrical insulation good
- b、Good the dielectric properties

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

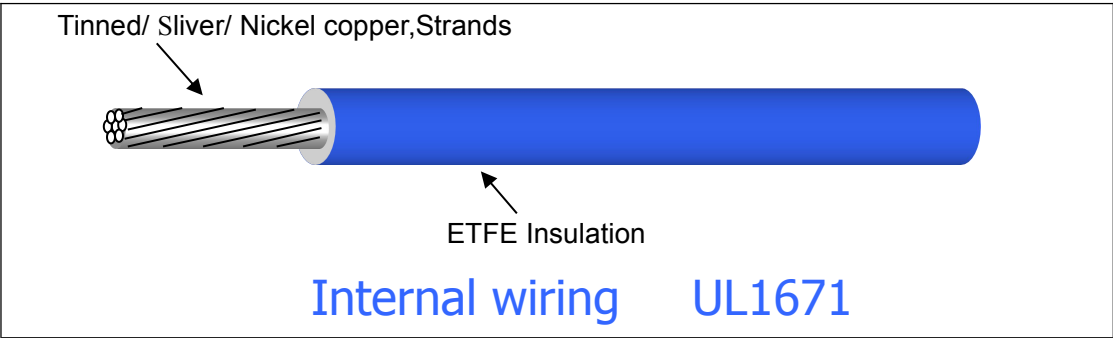
SHOULD BE USED:

Internal wiring and electronic equipment where not subject to movement or mechanical damage.

REFERENCE:

UL758-2010、UL1581-2009

Outline:



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

Conductor temperature not over 150℃ ETFE 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.	Min	Max
1671	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	0.25	0.20	2.35	±0.15
	16	19/0.287	14.60	1.50	0.25	0.20	2.00	±0.10
	18	19/0.235	23.20	1.18	0.25	0.20	1.68	±0.10
	20	19/0.19	36.70	0.95	0.25	0.20	1.45	±0.10
	22	7/0.254	59.40	0.77	0.25	0.20	1.26	±0.10
	22	19/0.15	59.40	0.76	0.25	0.20	1.26	±0.10
	24	7/0.20	94.20	0.60	0.25	0.20	1.10	±0.10
	26	7/0.16	150.00	0.48	0.25	0.20	1.00	±0.10
	28	7/0.127	239.00	0.38	0.25	0.20	0.90	±0.10
	30	1/0.254	361.00	0.254	0.25	0.20	0.75	±0.10

Marking: E211048 AWM STYLE 1671 NO.AWG 150℃ 300V 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			
10AWG	☒ 500Ft	☐ 1000Ft	☐ 2000Ft	
12~20AWG	☐ 500Ft	☒ 1000Ft	☐ 2000Ft	
22-30AWG	☐ 500Ft	☐ 1000Ft	☒ 2000Ft	
According to customer requirements for packaging packaging				

CHARACTER:

1.Physical performance

- a、Excellent thermal stability
- b、Good mechanical properties
- c、Long-term ageing resistance
- d、high resistance to chemicals
- e、Good flame retardancy (VW-1)
- f、Suitable for water, fuel, oil, acid and alkali environment

2.Electrical Properties

- a、Electrical insulation good
- b、Good the dielectric properties

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

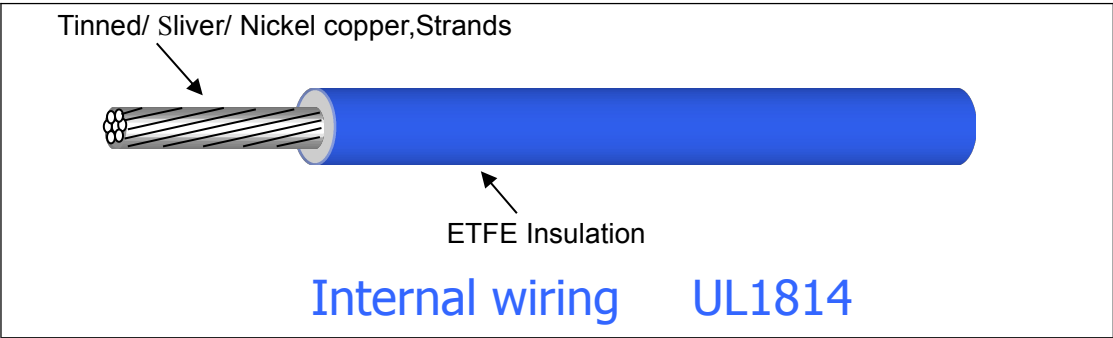
SHOULD BE USED:

Internal wiring of appliances and electronic equipment.

REFERENCE:

UL758-2010、UL1581-2009

Outline:



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

Conductor temperature not over 150℃ ETFE insulated wire Rated temperature: 150℃ rated voltage: 150V								
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.
1814	20	19/0.19	36.70	0.95	0.15	0.13	1.25	±0.10
	22	19/0.15	59.40	0.76	0.15	0.13	1.06	±0.10
	24	7/0.20	94.20	0.60	0.15	0.13	0.90	±0.10
	26	7/0.16	150.00	0.48	0.15	0.13	0.80	±0.10
	28	7/0.127	239.00	0.38	0.15	0.13	0.70	±0.10
	30	1/0.254	361.00	0.254	0.15	0.13	0.56	±0.10

Marking: E211048 AWM STYLE 1814 NO.AWG 150℃ 150V 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			
10AWG	☒ 500Ft	☐ 1000Ft	☐ 2000Ft	
12~20AWG	☐ 500Ft	☒ 1000Ft	☐ 2000Ft	
22-30AWG	☐ 500Ft	☐ 1000Ft	☒ 2000Ft	
According to customer requirements for packaging packaging				

CHARACTER:

1.Physical performance

- a、Excellent thermal stability
- b、Good mechanical properties
- c、Long-term ageing resistance
- d、high resistance to chemicals
- e、Good flame retardancy (VW-1)
- f、Suitable for water, fuel, oil, acid and alkali environment

2.Electrical Properties

- a、Electrical insulation good
- b、Good the dielectric properties

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

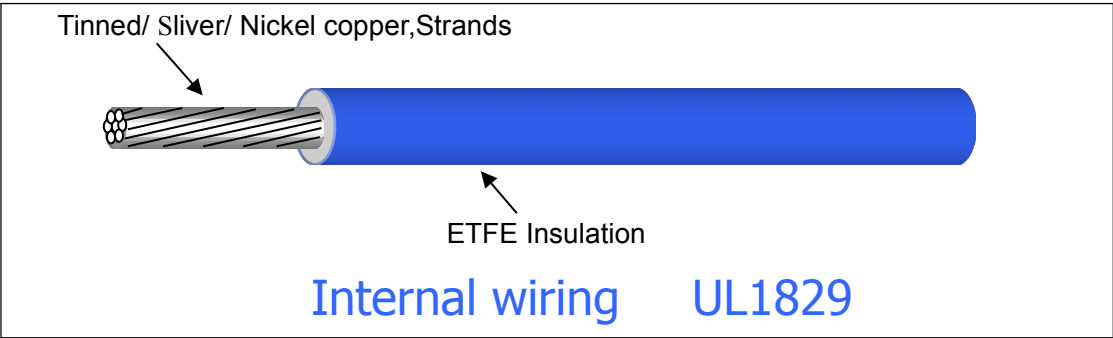
SHOULD BE USED:

Internal wiring of appliances and electronic equipment.

REFERENCE:

UL758-2010、UL1581-2009

Outline:



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

Conductor temperature not over 150℃ ETFE insulated wire Rated temperature: 150℃ rated voltage: 150V								
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.	Aver	Tol.
1829	10	37/0.42	3.54	2.94	0.51	0.46	3.96	±0.15
	12	37/0.374	5.64	2.62	0.51	0.46	3.64	±0.15
	14	19/0.361	8.96	1.81	0.51	0.46	2.83	±0.10
	16	19/0.287	14.60	1.44	0.51	0.46	2.46	±0.10
	18	19/0.235	23.20	1.18	0.51	0.46	2.20	±0.10
	20	19/0.19	36.70	0.95	0.51	0.46	1.97	±0.10
	22	19/0.15	59.40	0.75	0.51	0.46	1.77	±0.10
	24	7/0.20	94.20	0.60	0.51	0.46	1.62	±0.10
	26	7/0.16	150.00	0.48	0.51	0.46	1.50	±0.10
	28	7/0.127	239.00	0.38	0.51	0.46	1.40	±0.10
	30	1/0.254	361.00	0.254	0.51	0.46	1.27	±0.10

Marking: E211048 AWM STYLE 1829 NO.AWG 150℃ 600V 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			
10AWG	☒ 500Ft	☐ 1000Ft	☐ 2000Ft	
12~20AWG	☐ 500Ft	☒ 1000Ft	☐ 2000Ft	
22-30AWG	☐ 500Ft	☐ 1000Ft	☒ 2000Ft	
According to customer requirements for packaging packaging				

CHARACTER:

1.Physical performance

- a、Excellent thermal stability
- b、Good mechanical properties
- c、Long-term ageing resistance
- d、high resistance to chemicals
- e、Good flame retardancy (VW-1)
- f、Suitable for water, fuel, oil, acid and alkali environment

2.Electrical Properties

- a、Electrical insulation good
- b、Good the dielectric properties

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

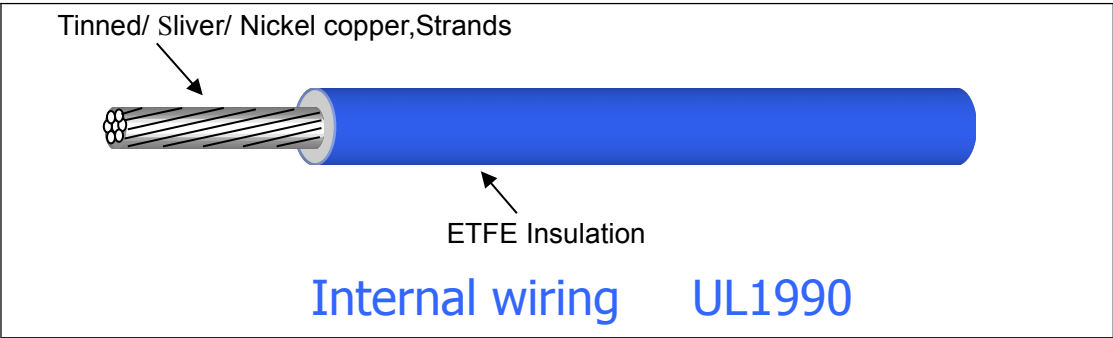
SHOULD BE USED:

Internal wiring of appliances and electronic equipment.

REFERENCE:

UL758-2010、UL1581-2009

Outline:



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: 600V								
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.	Min	Max
1990	10	37/0.42	3.54	2.94	0.50	0.46	3.94	±0.15
	12	37/0.374	5.64	2.62	0.50	0.46	3.62	±0.15
	14	19/0.361	8.96	1.85	0.50	0.46	2.85	±0.10
	16	19/0.287	14.60	1.50	0.50	0.46	2.50	±0.10
	18	19/0.235	23.20	1.18	0.50	0.46	2.20	±0.10
	20	19/0.19	36.70	0.95	0.50	0.46	1.95	±0.10
	22	19/0.15	59.40	0.76	0.50	0.46	1.76	±0.10
	24	7/0.20	94.20	0.60	0.50	0.46	1.60	±0.10
	26	7/0.16	150.00	0.48	0.50	0.46	1.50	±0.10
	28	7/0.127	239.00	0.38	0.50	0.46	1.40	±0.10
	30	1/0.254	361.00	0.254	0.50	0.46	1.25	±0.10

Marking: E211048 AWM STYLE 1990 NO.AWG 105℃ 600V 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			
10AWG	☒ 500Ft	☐ 1000Ft	☐ 2000Ft	
12~20AWG	☐ 500Ft	☒ 1000Ft	☐ 2000Ft	
22-30AWG	☐ 500Ft	☐ 1000Ft	☒ 2000Ft	
According to customer requirements for packaging packaging				

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

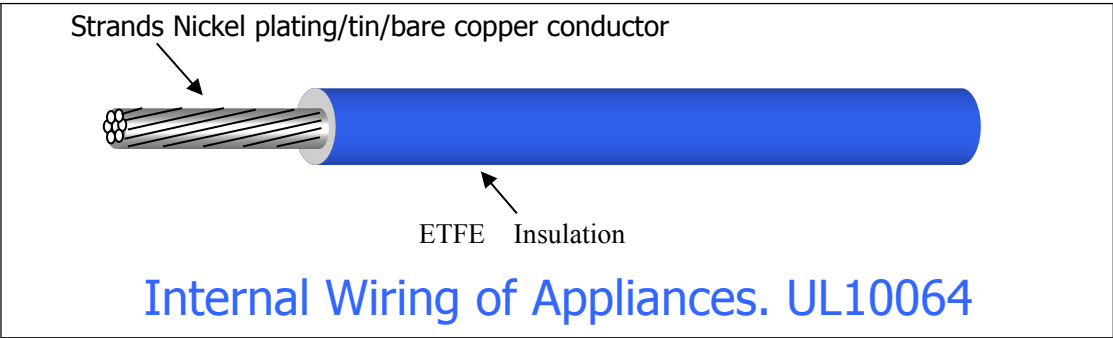
SHOULD BE USED:

For further processing as insulatedsingles in internal or external interconnection cables for use in Class 2 circuits of 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℃ 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
10064	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	±0.10
	14	19/0.374	8.96	1.88	0.25	0.18	2.38	±0.10
	16	19/0.30	14.60	1.50	0.25	0.18	2.00	±0.10
	18	19/0.235	23.20	1.18	0.25	0.18	1.68	±0.10
	20	19/0.19	36.70	0.95	0.25	0.18	1.45	±0.10
	22	19/0.15	59.40	0.76	0.25	0.18	1.26	±0.10
	24	7/0.20	94.20	0.60	0.25	0.18	1.10	±0.10
	26	7/0.16	150.00	0.50	0.25	0.18	1.00	±0.10
	28	7/0.127	239.00	0.38	0.25	0.18	0.88	±0.10
	30	7/0.10	381.00	0.30	0.25	0.18	0.80	±0.10
	32	7/0.08	514.30	0.24	0.25	0.18	0.74	±0.10

Marking: E211048 AWM STYLE 10064 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			
10AWG	☒ 500Ft	☐ 1000Ft	☐ 2000Ft	
12~20AWG	☐ 500Ft	☒ 1000Ft	☐ 2000Ft	
22-30AWG	☐ 500Ft	☐ 1000Ft	☒ 2000Ft	
According to customer requirements for packaging packaging				

CHARACTER:

1.Physical performance

- a、Excellent thermal stability
- b、Good mechanical properties
- c、Long-term ageing resistance
- d、high resistance to chemicals
- e、Good flame retardancy (VW-1)
- f、Suitable for water, fuel, oil, acid and alkali environment

2.Electrical Properties

- a、Electrical insulation good
- b、Good the dielectric properties

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

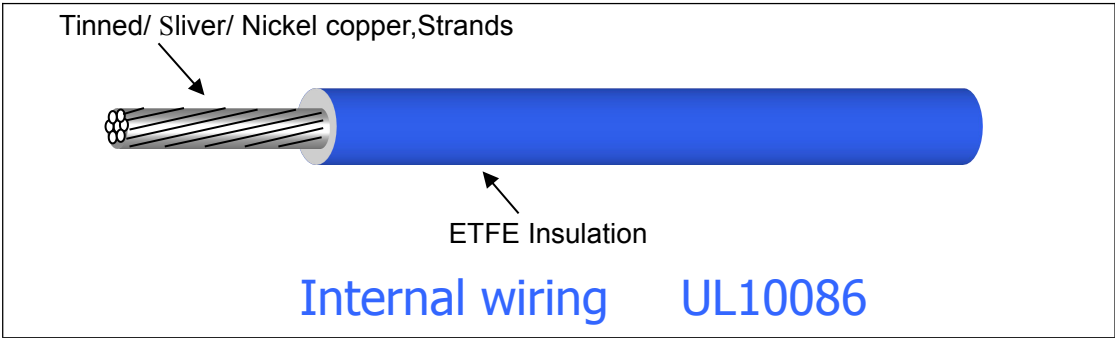
SHOULD BE USED:

Internal wiring of appliances and electronic equipment.

REFERENCE:

UL758-2010、UL1581-2009

Outline:



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

Conductor temperature not over 200℃ ETFE insulated wire Rated temperature: 200℃ rated voltage: 600V								
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
10086	6	133/0.361	1.403	4.80	0.64	0.56	6.08	±0.15
	8	19/0.75	2.230	3.78	0.64	0.56	5.06	±0.15
	8	133/0.287	2.230	3.82	0.64	0.56	5.10	±0.15
	10	37/0.42	3.54	2.94	0.40	0.33	3.75	±0.15
	12	37/0.374	5.64	2.62	0.40	0.33	3.42	±0.15
	14	19/0.361	8.96	1.85	0.25	0.23	2.35	±0.10
	16	19/0.287	14.60	1.50	0.25	0.23	2.00	±0.10
	18	19/0.235	23.20	1.18	0.25	0.23	1.70	±0.10
	18	7/0.39	23.20	1.19	0.25	0.23	1.70	±0.10
	20	19/0.19	36.70	0.95	0.25	0.23	1.45	±0.10
	22	19/0.15	59.40	0.76	0.25	0.23	1.26	±0.10
	24	7/0.20	94.20	0.60	0.25	0.23	1.10	±0.10
	26	7/0.16	150.00	0.48	0.25	0.23	1.00	±0.10
	28	7/0.127	239.00	0.38	0.25	0.23	0.90	±0.10
	30	1/0.254	361.00	0.254	0.25	0.23	0.75	±0.10

Marking: E211048 AWM STYLE 10086 NO.AWG 200℃ 600V 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			
10AWG	☒ 500Ft	☐ 1000Ft	☐ 2000Ft	
12~20AWG	☐ 500Ft	☒ 1000Ft	☐ 2000Ft	
22-30AWG	☐ 500Ft	☐ 1000Ft	☒ 2000Ft	
According to customer requirements for packaging packaging				

CHARACTER:

- 1.Physical performance
- a、Excellent thermal stability
 - b、Good mechanical properties
 - c、Long-term ageing resistance
 - d、high resistance to chemicals
 - e、Good flame retardancy (VW-1)
 - f、Suitable for water, fuel, oil, acid and alkali environment

2.Electrical Properties

- a、Electrical insulation good
- b、Good the dielectric properties

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

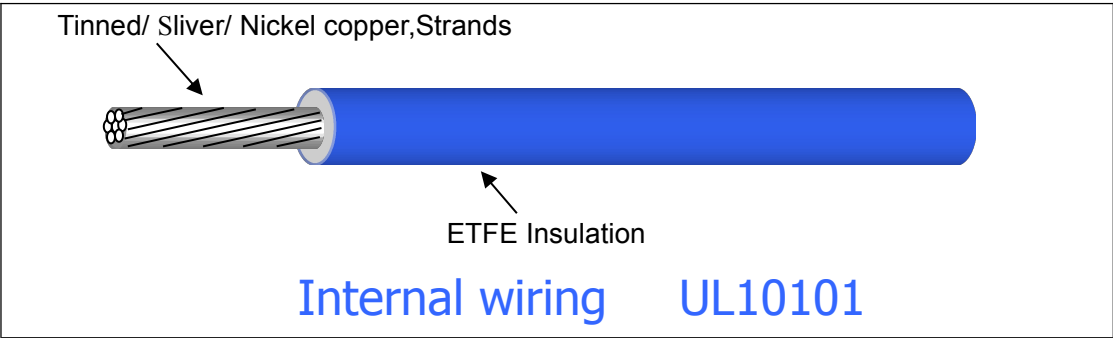
SHOULD BE USED:

Internal wiring of appliances and electronic equipment.

REFERENCE:

UL758-2010、UL1581-2009

Outline:



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: 250V								
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
10101	20	19/0.19	36.70	0.95	0.26	0.23	1.47	-0.5/+0.10
	22	19/0.15	59.40	0.76	0.26	0.23	1.30	-0.5/+0.10
	24	7/0.20	94.20	0.60	0.26	0.23	1.12	-0.5/+0.10
	26	7/0.16	150.00	0.48	0.26	0.23	1.00	-0.5/+0.10
	28	7/0.127	239.00	0.38	0.26	0.23	0.90	-0.5/+0.10
	30	1/0.254	361.00	0.254	0.26	0.23	0.80	-0.5/+0.10

Marking: E211048 AWM STYLE 10101 NO.AWG 105℃ 250V 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			
10AWG	☒ 500Ft	☐ 1000Ft	☐ 2000Ft	
12~20AWG	☐ 500Ft	☒ 1000Ft	☐ 2000Ft	
22-30AWG	☐ 500Ft	☐ 1000Ft	☒ 2000Ft	
According to customer requirements for packaging packaging				

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CHARACTER:

1.Physical performance

- a、Excellent thermal stability
- b、Good mechanical properties
- c、Long-term ageing resistance
- d、high resistance to chemicals
- e、Good flame retardancy (VW-1)
- f、Suitable for water, fuel, oil, acid and alkali environment

2.Electrical Properties

- a、Electrical insulation good
- b、Good the dielectric properties

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

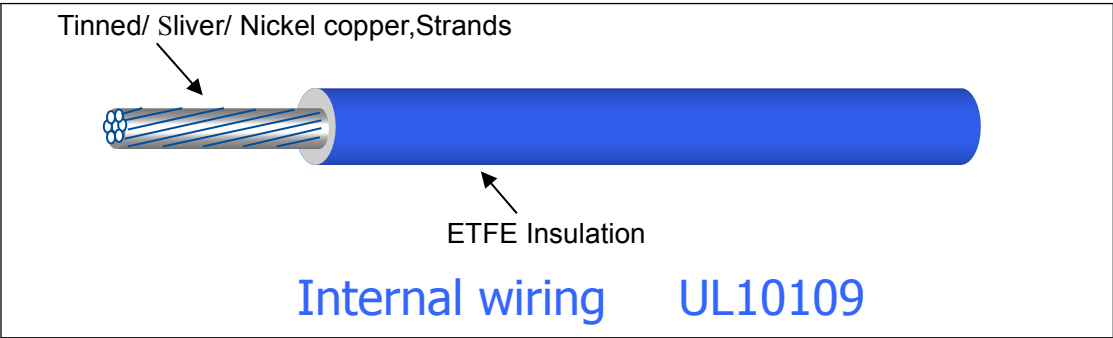
SHOULD BE USED:

Internal wiring of appliances and electronic equipment.

REFERENCE:

UL758-2010、UL1581-2009

Outline:



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

Conductor temperature not over 200℃ ETFE insulated wire Rated temperature: 200℃ 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.	Mon	Tol
10109	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	0.16	0.13	1.50	±0.10
	20	19/0.19	36.70	0.95	0.16	0.13	1.27	±0.10
	22	19/0.15	59.40	0.76	0.16	0.13	1.08	±0.10
	22	7/0.254	59.40	0.76	0.16	0.13	1.08	±0.10
	24	7/0.20	94.20	0.61	0.16	0.13	0.93	±0.10
	26	7/0.16	150.00	0.48	0.16	0.13	0.80	±0.10
	28	7/0.127	239.00	0.38	0.16	0.13	0.70	±0.10
	30	7/0.10	381.00	0.30	0.16	0.13	0.62	±0.10
	30	1/0.254	361.00	0.254	0.16	0.13	0.58	±0.10

Marking: E211048 AWM STYLE 10109 NO.AWG 200℃ 300V 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			
10AWG	☒ 500Ft	☐ 1000Ft	☐ 2000Ft	
12~20AWG	☐ 500Ft	☒ 1000Ft	☐ 2000Ft	
22-30AWG	☐ 500Ft	☐ 1000Ft	☒ 2000Ft	
According to customer requirements for packaging packaging				

CHARACTER:

1.Physical performance

- a、Excellent thermal stability
- b、Good mechanical properties
- c、Long-term ageing resistance
- d、high resistance to chemicals
- e、Good flame retardancy (VW-1)
- f、Suitable for water, fuel, oil, acid and alkali environment

2.Electrical Properties

- a、Electrical insulation good
- b、Good the dielectric properties

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

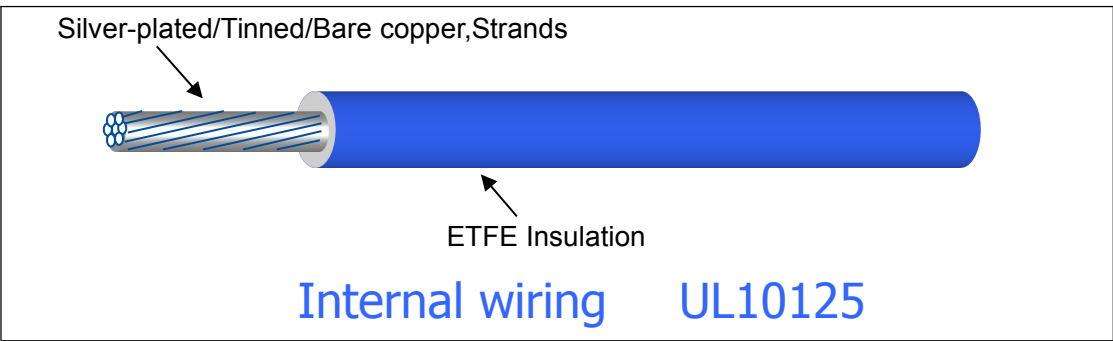
SHOULD BE USED:

Internal wiring of appliances and electronic equipment.

REFERENCE:

UL758-2010、UL1581-2009

Outline:



Wire structure description:
Conductor: Silver-plated/Tinned/Bare copper,Strands
Insulation materials: ETFE Insulation

Conductor temperature not over 150℃ ETFE 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.	Mon	Tol
10125	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	±0.15
	16	19/0.287	14.60	1.50	0.30	0.27	2.04	±0.10
	18	19/0.235	23.20	1.18	0.15	0.13	1.50	±0.10
	20	19/0.19	36.70	0.95	0.15	0.13	1.25	±0.10
	22	19/0.15	59.40	0.76	0.15	0.13	1.06	±0.10
	24	7/0.20	94.20	0.60	0.15	0.13	0.90	±0.10
	26	7/0.16	150.00	0.48	0.15	0.13	0.80	±0.10
	26	19/0.1	150.00	0.50	0.15	0.13	0.80	±0.10
	28	7/0.127	239.00	0.38	0.15	0.13	0.70	±0.10
	30	1/0.254	361.00	0.254	0.15	0.13	0.55	±0.10

Marking: E211048 AWM STYLE 10125 NO.AWG 150℃ 300V 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			
10AWG	☒ 500Ft	☐ 1000Ft	☐ 2000Ft	
12~20AWG	☐ 500Ft	☒ 1000Ft	☐ 2000Ft	
22-30AWG	☐ 500Ft	☐ 1000Ft	☒ 2000Ft	
According to customer requirements for packaging packaging				

CHARACTER:

1.Physical performance

- a、Excellent thermal stability
- b、Good mechanical properties
- c、Long-term ageing resistance
- d、high resistance to chemicals
- e、Good flame retardancy (VW-1)
- f、Suitable for water, fuel, oil, acid and alkali environment

2.Electrical Properties

- a、Electrical insulation good
- b、Good the dielectric properties

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

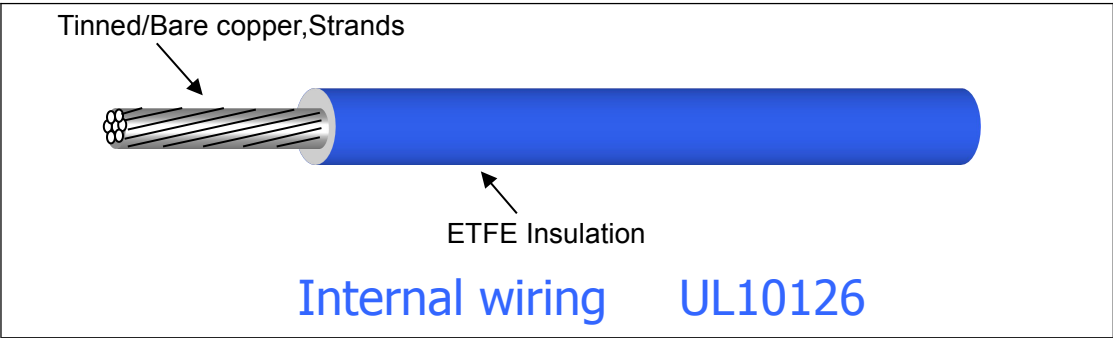
SHOULD BE USED:

Internal wiring of appliances and electronic equipment.

REFERENCE:

UL758-2010、UL1581-2009

Outline:



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

Conductor temperature not over 150℃ ETFE insulated wire
Rated temperature: 150℃ rated voltage: 600V

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
10126	10	37/0.42	3.54	2.94	0.40	0.33	3.75	±0.15
	12	37/0.374	5.64	2.62	0.40	0.33	3.42	±0.15
	14	19/0.361	8.96	1.85	0.25	0.23	2.35	±0.10
	16	19/0.287	14.60	1.50	0.25	0.23	2.00	±0.10
	18	19/0.235	23.20	1.18	0.25	0.23	1.70	±0.10
	20	19/0.19	36.70	0.95	0.25	0.23	1.45	±0.10
	22	19/0.15	59.40	0.76	0.25	0.23	1.26	±0.10
	24	7/0.20	94.20	0.60	0.25	0.23	1.10	±0.10
	26	7/0.16	150.00	0.48	0.25	0.23	1.00	±0.10
	28	7/0.127	239.00	0.38	0.25	0.23	0.90	±0.10
	30	1/0.254	361.00	0.254	0.25	0.23	0.75	±0.10

Marking: E211048 AWM STYLE 10126 NO.AWG 150℃ 600V 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			
10AWG	☒ 500Ft	☐ 1000Ft	☐ 2000Ft	
12~20AWG	☐ 500Ft	☒ 1000Ft	☐ 2000Ft	
22-30AWG	☐ 500Ft	☐ 1000Ft	☒ 2000Ft	
According to customer requirements for packaging packaging				

CHARACTER:

1.Physical performance

- a、Excellent thermal stability
- b、Good mechanical properties
- c、Long-term ageing resistance
- d、high resistance to chemicals
- e、Good flame retardancy (VW-1)
- f、Suitable for water, fuel, oil, acid and alkali environment

2.Electrical Properties

- a、Electrical insulation good
- b、Good the dielectric properties

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

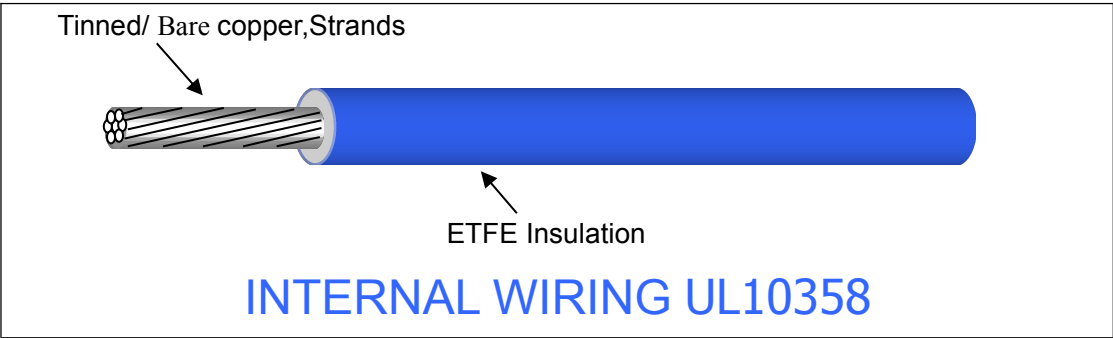
SHOULD BE USED:

Internal wiring.

REFERENCE:

UL758-2010、UL1581-2009

Outline:



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

Conductor temperature not over 150℃ ETFE insulated wire Rated temperature: 150℃ rated voltage: 1000V								
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.	Min	Max
10358	10	19/0.574	3.54	2.97	0.51	0.46	4.08	±0.15
	12	19/0.455	5.64	2.34	0.51	0.46	3.38	±0.10
	14	19/0.361	8.96	1.82	0.51	0.46	2.87	±0.10
	16	19/0.287	14.60	1.45	0.51	0.46	2.52	±0.10
	18	19/0.235	23.20	1.18	0.51	0.46	2.20	±0.10
	20	19/0.19	36.70	0.96	0.51	0.46	1.97	±0.10
	22	19/0.15	59.40	0.76	0.51	0.46	1.78	±0.10
	24	7/0.20	94.20	0.61	0.51	0.46	1.62	±0.10
	26	7/0.16	150.00	0.49	0.51	0.46	1.50	±0.10
	28	7/0.127	239.00	0.39	0.51	0.46	1.40	±0.10
	30	1/0.254	361.00	0.254	0.51	0.46	1.28	±0.10

Marking : E211048 AWM STYLE 10358 NO.AWG 150℃ 1000V 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			
10AWG	☒ 500Ft	☐ 1000Ft	☐ 2000Ft	
12~20AWG	☐ 500Ft	☒ 1000Ft	☐ 2000Ft	
22-30AWG	☐ 500Ft	☐ 1000Ft	☒ 2000Ft	
According to customer requirements for packaging packaging				

CHARACTER:

1.Physical performance

- a、Excellent thermal stability
- b、Good mechanical properties
- c、Long-term ageing resistance
- d、high resistance to chemicals
- e、Good flame retardancy (VW-1)
- f、Suitable for water, fuel, oil, acid and alkali environment

2.Electrical Properties

- a、Electrical insulation good
- b、Good the dielectric properties

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 where not subject to mechanical abuse

REFERENCE:

UL758-2010、UL1581-2009

Outline:

Tinned/ Sliver/ Nickel copper,Strands



ETFE Insulation

Internal wiring of Appliances where not subject to mechanical abuse UL10412

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

Conductor temperature not over 150℃ ETFE insulated wire Rated temperature: 150℃ rated voltage: 600V								
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.
10412	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	±0.15
	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	0.16	0.14	1.27	±0.10
	22	19/0.15	59.40	0.76	0.16	0.14	1.10	±0.10
	24	7/0.20	94.20	0.60	0.16	0.14	0.92	±0.10
	26	7/0.16	150.00	0.48	0.16	0.14	0.80	±0.10
	28	7/0.127	239.00	0.38	0.16	0.14	0.70	±0.10
	30	1/0.254	361.00	0.254	0.16	0.14	0.57	±0.10

Marking: E211048  AWM STYLE 10412 NO.AWG 150℃ 600V 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			
10AWG	■ 500Ft	□ 1000Ft	□ 2000Ft	
12~20AWG	□ 500Ft	■ 1000Ft	□ 2000Ft	
22-30AWG	□ 500Ft	□ 1000Ft	■ 2000Ft	
According to customer requirements for packaging packaging				

CHARACTER:

1.Physical performance

- a、Excellent thermal stability
- b、Good mechanical properties
- c、Long-term ageing resistance
- d、high resistance to chemicals
- e、Good flame retardancy (VW-1)
- f、Suitable for water, fuel, oil, acid and alkali environment

2.Electrical Properties

- a、Electrical insulation good
- b、Good the dielectric properties

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

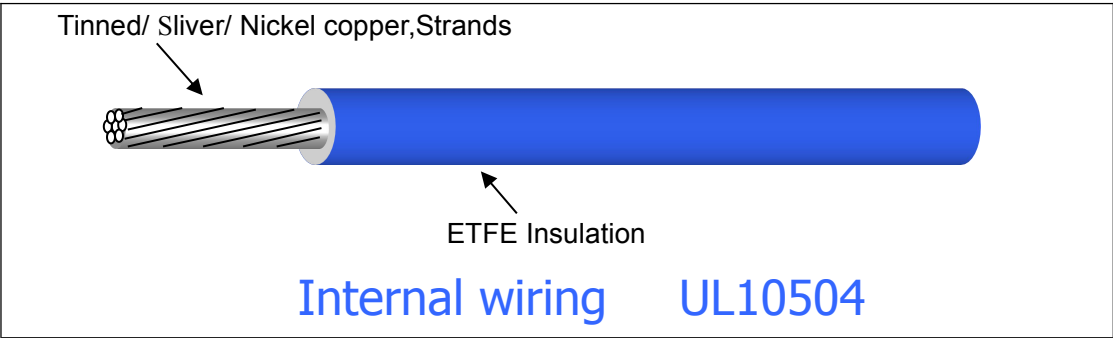
SHOULD BE USED:

Internal wiring of appliances where not subject to movement or mechanical abuse.

REFERENCE:

UL758-2010、UL1581-2009

Outline:



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

Conductor temperature not over 150℃ ETFE insulated wire Rated temperature: 150℃ rated voltage: 600V								
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
10504	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	±0.15
	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	0.13	1.25	±0.10
	22	19/0.15	59.40	0.76	0.15	0.13	1.06	±0.10
	24	7/0.20	94.20	0.60	0.15	0.13	0.90	±0.10
	26	7/0.16	150.00	0.48	0.15	0.13	0.80	±0.10
	28	7/0.127	239.00	0.38	0.15	0.13	0.70	±0.10
	30	1/0.254	361.00	0.254	0.15	0.13	0.55	±0.10

Marking: E211048 AWM STYLE 10504 NO.AWG 150℃ 600V 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			
10AWG	☒ 500Ft	☐ 1000Ft	☐ 2000Ft	
12~20AWG	☐ 500Ft	☒ 1000Ft	☐ 2000Ft	
22-30AWG	☐ 500Ft	☐ 1000Ft	☒ 2000Ft	
According to customer requirements for packaging packaging				

CHARACTER:

1.Physical performance

- a、Excellent thermal stability
- b、Good mechanical properties
- c、Long-term ageing resistance
- d、high resistance to chemicals
- e、Good flame retardancy (VW-1)
- f、Suitable for water, fuel, oil, acid and alkali environment

2.Electrical Properties

- a、Electrical insulation good
- b、Good the dielectric properties

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

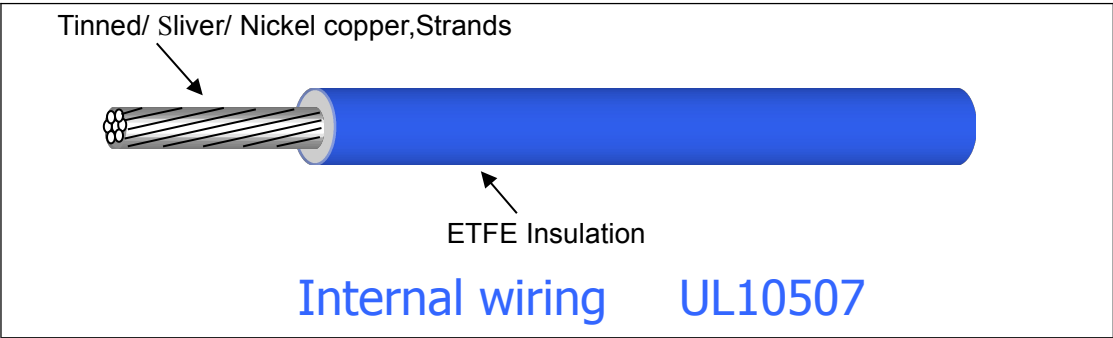
SHOULD BE USED:

Internal wiring of appliances where not subject to movement or mechanical abuse.

REFERENCE:

UL758-2010、UL1581-2009

Outline:



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
10507	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	±0.15
	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	0.20	0.15	1.35	±0.10
	22	19/0.15	59.40	0.76	0.20	0.15	1.16	±0.10
	24	7/0.20	94.20	0.60	0.20	0.15	1.00	±0.10
	26	7/0.16	150.00	0.48	0.20	0.15	0.90	±0.10
	28	7/0.127	239.00	0.38	0.20	0.15	0.80	±0.10
	30	1/0.254	361.00	0.254	0.20	0.15	0.65	±0.10

Marking: E211048 AWM STYLE 10507 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			
10AWG	■ 500Ft	□ 1000Ft	□ 2000Ft	
12~20AWG	□ 500Ft	■ 1000Ft	□ 2000Ft	
22-30AWG	□ 500Ft	□ 1000Ft	■ 2000Ft	
According to customer requirements for packaging packaging				

Characteristic:

1.Physical properties

- a、excellent mechanical properties:
Tensile strength≥20.7MPa, elongation at break≥200%
After aging:
Condition: 260±1.0℃/ 96H
Tensile strength residual rate≥85%, elongation at break≥85%
- 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 performance

- a、rated temperature: 105℃ rated voltage: 125V
- b、Spark test: When passing through the test electrode, no breakdown occurs. Spark test voltage is 1500V
- c、dielectric withstand voltage: 1.0KV , 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:

Appliances with internal

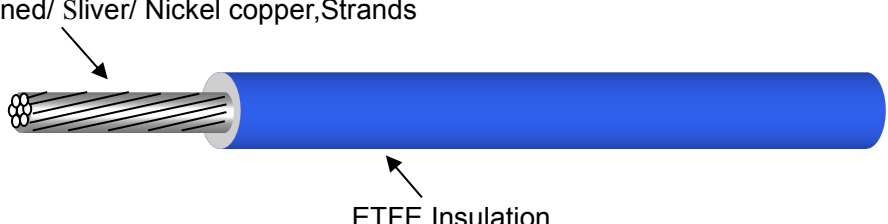
Guideline:

UL758、UL1581

Overview:

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

Tinned/ Sliver/ Nickel copper,Strands



ETFE Insulation

In back panel areas of electronic computers and business machines UL1538

Wire structure description:

Conductor: Tinned/ Sliver/ Nickel copper,Strands

Insulation materials: PTFE Insulation

Internal wiring,Conductor temperature not over 105℃ PTFE insulated wire								
Rated temperature: 105℃ rated voltage: 125V								
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.
1538	10	37/0.42	3.54	2.94	0.33	0.30	3.60	±0.15
	12	37/0.374	5.64	2.62	0.33	0.30	3.28	±0.15
	14	19/0.361	8.96	1.85	0.33	0.30	2.50	±0.10
	16	19/0.287	14.60	1.45	0.20	0.18	1.85	±0.10
	18	19/0.235	23.20	1.18	0.20	0.18	1.58	±0.10
	20	19/0.19	36.70	0.95	0.14	0.12	1.25	±0.10
	22	19/0.15	59.40	0.75	0.14	0.12	1.05	±0.10
	24	7/0.20	94.20	0.60	0.14	0.12	0.88	±0.10
	26	7/0.16	150.00	0.50	0.14	0.12	0.78	±0.10
	28	7/0.127	239.00	0.40	0.14	0.12	0.68	±0.10
	30	1/0.254	361.00	0.254	0.14	0.12	0.53	±0.10

Marking: E211048 AWM STYLE 1538 NO.AWG 105℃ 125V VW-1 PTFE 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				

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.

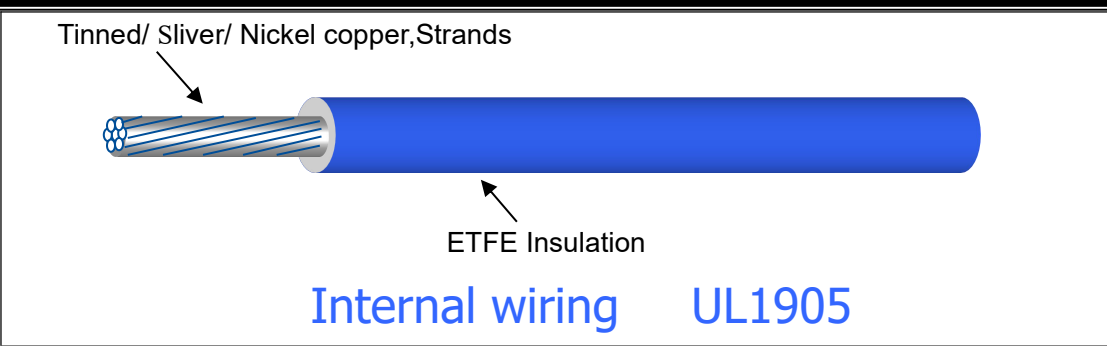
REFERENCE:

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				

Characteristic:

1.Physical properties

- a、excellent mechanical properties:
Tensile strength≥20.7MPa, elongation at break≥200%
After aging:
Condition: 260±1.0℃/ 96H
Tensile strength residual rate≥85%, elongation at break≥85%
- 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 performance

- a、rated temperature: 105℃ rated voltage: 125V
- b、Spark test: When passing through the test electrode, no breakdown occurs. Spark test voltage is 1500V
- c、dielectric withstand voltage: 1.0KV , 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, used for areas that are not susceptible to mechanical damage.

Guideline:

UL758、UL1581

Overview:

Strands Nickel plating conductor



PTFE Insulation

Internal wiring of Electronic Equipment UL10007

Wire structure description:
Conductor: Nickel plating conductor;
Insulation materials: PTFE Insulation

Conductor temperature not over 150℃ PTFE insulated wire								
Rated temperature: 150℃ rated voltage: 125V								
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.
10007	10	37/0.42	3.54	2.95	0.33	0.30	3.61	±0.10
	12	37/0.374	5.64	2.63	0.33	0.30	3.29	±0.10
	14	19/0.361	8.96	1.82	0.33	0.30	2.48	±0.10
	16	19/0.287	14.60	1.44	0.20	0.18	1.84	±0.10
	18	19/0.235	23.20	1.18	0.20	0.18	1.58	±0.10
	20	19/0.19	36.70	0.95	0.15	0.13	1.25	±0.10
	22	19/0.15	59.40	0.76	0.15	0.13	1.06	±0.10
	24	7/0.20	94.20	0.60	0.15	0.13	0.90	±0.10
	26	7/0.16	150.00	0.48	0.15	0.13	0.78	±0.10
	28	7/0.127	239.00	0.38	0.15	0.13	0.68	±0.10
	30	1/0.254	361.00	0.254	0.15	0.13	0.56	±0.10

Marking: E211048  AWM STYLE 10007 NO.AWG 150℃ 125V VW-1 PTFE 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				

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: 200℃ rated voltage: 300V
- 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.

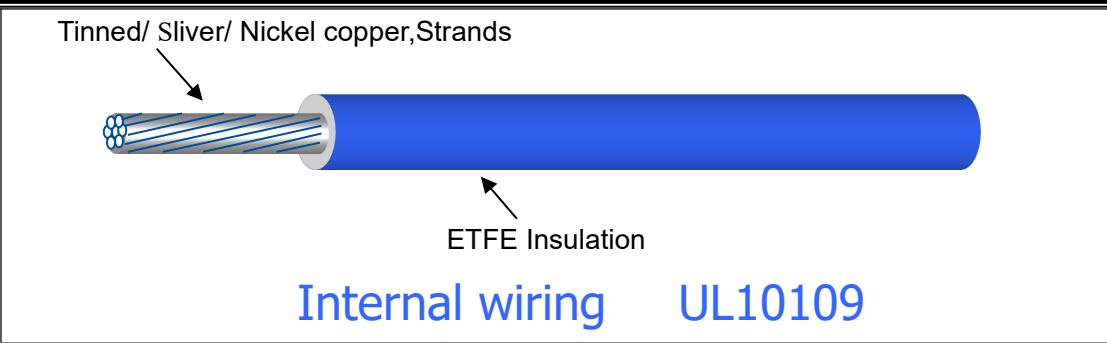
REFERENCE:

UL758-2010、UL1581-2009

Outline:

3Fproduct code:

E.g: 101092000-19
UL10109, 20AWG, black, 19/0.19, Tinned-plated



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

Conductor temperature not over 200℃ ETFE insulated wire								
Rated temperature: 200℃ 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.	Mon	Tol
10109	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
	12	19/0.5	5.64	2.52	0.30	0.27	3.12	±0.10
	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	0.16	0.13	1.50	±0.10
	20	19/0.19	36.70	0.95	0.16	0.13	1.27	±0.10
	22	19/0.15	59.40	0.76	0.16	0.13	1.08	±0.10
	22	7/0.254	59.40	0.76	0.16	0.13	1.08	±0.10
	24	11/0.16	94.2	0.61	0.16	0.13	0.93	±0.10
	24	1/0.51	89.30	0.51	0.16	0.13	0.83	±0.10
	24	7/0.20	94.20	0.61	0.16	0.13	0.93	±0.10
	26	7/0.16	150.00	0.48	0.16	0.13	0.80	±0.10
	26	19/0.1	150.00	0.50	0.16	0.13	0.80	±0.10
	28	7/0.127	239.00	0.38	0.16	0.13	0.70	±0.10
	30	1/0.254	361.00	0.254	0.16	0.13	0.58	±0.10
	30	7/0.10	381.00	0.31	0.16	0.13	0.63	±0.10

Marking: E211048 AWM STYLE 10109 NO.AWG 200℃ 300V 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			
10AWG	■ 500Ft	□ 1000Ft	□ 2000Ft	
12~20AWG	□ 500Ft	■ 1000Ft	□ 2000Ft	
22-30AWG	□ 500Ft	□ 1000Ft	■ 2000Ft	
According to customer requirements for packaging packaging				

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: 100℃ 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:

Strands Nickel plating/tin/bare copper conductor



ETFE Insulation

Internal wiring of Class 2 circuits in Electronic Equipment. UL10248

Wire structure description:

Conductor: Nickel plating/tin/bare copper conductor;

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
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℃ 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			
10AWG	☒ 500Ft	☐ 1000Ft	☐ 2000Ft	
12~20AWG	☐ 500Ft	☒ 1000Ft	☐ 2000Ft	
22-30AWG	☐ 500Ft	☐ 1000Ft	☒ 2000Ft	
According to customer requirements for packaging packaging				

Characteristic:

1.Physical properties

- a、excellent mechanical properties:
Tensile strength≥34.5MPa, elongation at break≥100%
After aging:
Condition: 180±1.0℃/ 168H
Tensile strength residual rate≥85%, 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℃±2℃/4H, no crack on the surface of the sample is qualified

2. Electrical performance

- a、rated temperature: 150℃ rated voltage: 150V
- b、Spark test: When passing through the test electrode, no breakdown occurs. Spark test voltage is 1500V
- c、dielectric withstand voltage: 1500V , 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:

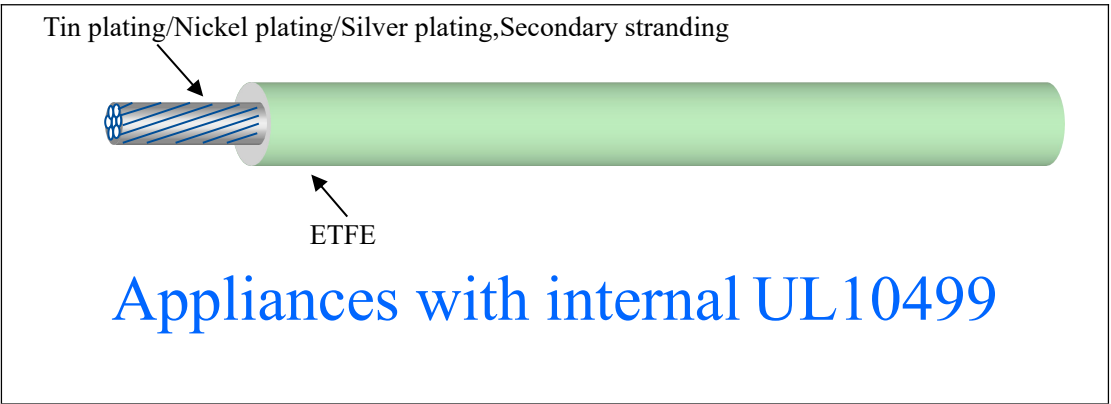
Appliances with internal

Guideline:

UL758-2014、UL1581-2009

Overview:

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



Structure description:

Conductor structure: Tin plating/Nickel plating/Silver plating, Secondary stranding
Insulation material:ETFE

Conductor temperature not over 150℃ ETFE insulated wire rated temperature: 150℃ rated voltage: 150V								
STYLE	stand ard 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.
10499	10	37/0.42	3.54	2.94	0.25	0.22	3.40	±0.15
	12	19/0.5	5.54	2.5	0.25	0.22	3.00	±0.10
	14	19/0.374	8.96	1.88	0.25	0.22	2.40	±0.10
	16	19/0.287	14.60	1.44	0.25	0.22	1.95	±0.10
	18	19/0.235	23.20	1.18	0.20	0.18	1.60	±0.10
	20	19/0.19	36.70	0.95	0.20	0.18	1.35	±0.10
	22	19/0.15	59.40	0.76	0.20	0.18	1.15	±0.10
	22	1/0.65	56.4	0.65	0.20	0.18	1.05	±0.10
	24	7/0.20	94.20	0.60	0.20	0.18	1.00	±0.10
	26	7/0.16	150.00	0.50	0.20	0.18	0.90	±0.10
	28	7/0.127	239.00	0.38	0.20	0.18	0.78	±0.10
	30	7/0.10	381.00	0.30	0.20	0.18	0.70	±0.10

Sign:

- 1、Printing : E211048  AWM STYLE 10499 NO.AWG 150℃ 150V VW-1 ETFE QIFURUI -LF-
- 2、Label identification: manufacturer, model, specification, rated temperature resistance,rated withstand voltage, insulation material, color, package length,Production Date

3Fproduct code:

Eg: A104991200-19

UL10499, ETFE, 12AWG, black, 19/0.50, Tin plating, A: 150℃

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				

SAE COLOR SERIES

*COLOR SERIES				
00-BLACK	01-WHITE	02-RED	03-YELLOW	04-GREEN
05-BLUE	06-BROWN	07-GREY	08-ORANGE	09-VIOLET

Characteristic:

1.Physical properties

- a、excellent mechanical properties:
Tensile strength≥13.8MPa, elongation at break≥200%
After aging:
Condition: 232±1.0℃/ 168H
Tensile strength residual rate≥80%, elongation at break≥85%
- 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 performance

- a、rated temperature: 150℃ rated voltage: 150V
- b、Spark test: When passing through the test electrode, no breakdown occurs. Spark test voltage is 1500V
- c、dielectric withstand voltage: 1500V , 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:

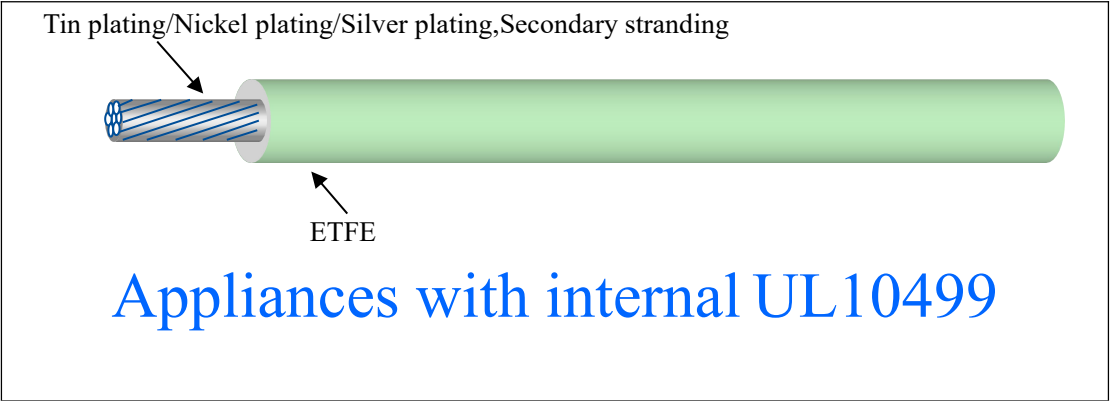
Appliances with internal

Guideline:

UL758-2014、UL1581-2009

Overview:

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



Structure description:

Conductor structure: Tin plating/Nickel plating/Silver plating, Secondary stranding
Insulation material:ETFE

Conductor temperature not over 200℃ ETFE insulated wire rated temperature : 200℃ rated voltage: 150V								
STYLE	stand ard 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.
10499	10	37/0.42	3.54	2.94	0.25	0.22	3.40	±0.15
	12	19/0.5	5.54	2.5	0.25	0.22	3.00	±0.10
	14	19/0.374	8.96	1.88	0.25	0.22	2.40	±0.10
	16	19/0.287	14.60	1.44	0.25	0.22	1.95	±0.10
	18	19/0.235	23.20	1.18	0.20	0.18	1.60	±0.10
	20	19/0.19	36.70	0.95	0.20	0.18	1.35	±0.10
	22	19/0.15	59.40	0.76	0.20	0.18	1.15	±0.10
	22	1/0.65	56.4	0.65	0.20	0.18	1.05	±0.10
	24	7/0.20	94.20	0.60	0.20	0.18	1.00	±0.10
	26	7/0.16	150.00	0.50	0.20	0.18	0.90	±0.10
	28	7/0.127	239.00	0.38	0.20	0.18	0.78	±0.10
	30	7/0.10	381.00	0.30	0.20	0.18	0.70	±0.10

Sign:

- 1、Printing : E211048  AWM STYLE 10499 NO.AWG 200℃ 150V VW-1 ETFE QIFURUI -LF-
- 2、Label identification: manufacturer, model, specification, rated temperature resistance,rated withstand voltage, insulation material, color, package length,Production Date

3Fproduct code:

Eg: B104991200-19

UL10499, ETFE, 12AWG, black, 19/0.50, Tin plating, B: 200℃

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				

SAE COLOR SERIES

*COLOR SERIES				
00-BLACK	01-WHITE	02-RED	03-YELLOW	04-GREEN
05-BLUE	06-BROWN	07-GREY	08-ORANGE	09-VIOLET