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UL standard silicone wire manufacturer

DONGGUAN ZHONGZHEN NEW ENERGY TECHNOLOGY CO., LTD
China·Dongguan

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COMPANY PROFILE

DONGGUAN ZHONGZHEN NEW ENERGY TECHNOLOGY CO.,LTD

Established Time: August 24, 2009

Paid-in capital: 20 million yuan

Qualification Certification: ISO9001:2015, ISO14001:2015, IAFT16949, UL(Wire/wire harness), CCC, CE, CQC, SGS, RoHS, REACH, CA65, etc

Main products: silicone cable (UL standard silicone wire, extra soft silicone wire, EV high voltage silicone cable, silicone data cable, ceramic silicone wire, etc.), XLPE halogen-free wire, Teflon wire, PVC electronic wire, RV national standard wire,wiring harness/connector.

Company advantages:

1. The whole series of silicone wire adopts platinum technology, halogen-free and tasteless,food grade;
2. The whole system meets VW-1 flame retardant grade;
3. All systems meet UL standards;
4.Advanced Italian import production line;
5. Established factories in Dongguan and Fuzhou;
6.Copper wire, rubber, wire, wire harness the whole industry chain factory.

Silicone cable manufacturer, professional technical production team

The company to "integrity based, quality win" for the business purpose,at the same time the introduction of advanced production equipment and testing instruments, quality and reputation to win the trust and support of our customers, to provide customers with high-quality products in line with technical specifications

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ENTERPRISE QUALIFICATION

high-tech enterprise

ISO9001:2015

ISO140001:2015

IATF16949

CCC certification

UL Wire Harness Certification

UL Wire & Cable Certification

CE

CQC

RoHS

REACH

A65

Patent certificate

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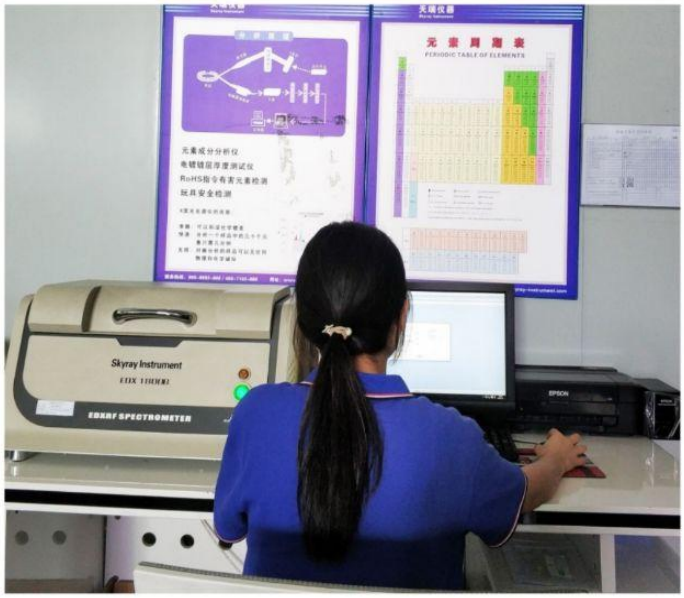
TEST EQUI PMENT



Advanced software
Precision equipment

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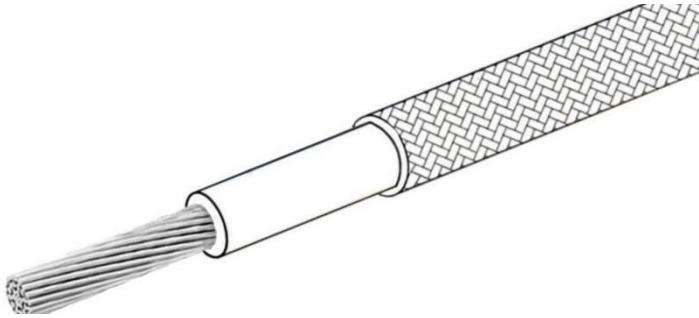
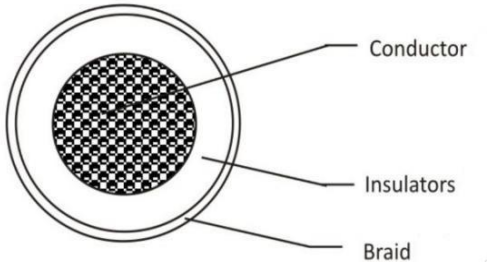


Specifications

Insulation Material		SILICONE RUBBER
Conductor		Nikel(Tinned)Copper/Copper
Color		Optional
Nominal Voltage		300V AC
Nominal Temperature		200℃
KV / min Test Voltage		2.0KV
Flame Test		FT2
Before Aging	（kgf / m ㎡ 2） Average Tensile Strength	≥0.352
	Average Elongation	≥100%
Aging Conditions		210℃ 60Day
After Aging	（kgf / m ㎡） Average Tensile Strength	≥0.352
	Average Elongation	≥50%or≥25%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Diameter（mm）	Covering Braid	Conductor Resistance at 20℃ ohms/km	Electric Current（A）
26	Nikel Copper	7/0.16±0.008	0.48	≤15	0.381	0.3302	1.25±0.10	Oil-Impregnated Fiberglass	≤150	1.4
24	Nikel Copper	11/0.16±0.008	0.61	≤18	0.381	0.3302	1.40±0.10	Oil-Impregnated Fiberglass	≤94.2	2.2
22	Nikel Copper	17/0.16±0.008	0.76	≤20	0.381	0.3302	1.55±0.10	Oil-Impregnated Fiberglass	≤59.4	3.4
20	Nikel Copper	26/0.16±0.008	0.94	≤32	0.381	0.3302	1.75±0.10	Oil-Impregnated Fiberglass	≤36.7	5.2
18	Nikel Copper	41/0.16±0.008	1.18	≤51	0.381	0.3302	2.0±0.12	Oil-Impregnated Fiberglass	≤23.2	8.23
16	Nikel Copper	26/0.254±0.008	1.5	≤51	0.381	0.3302	2.30±0.12	Oil-Impregnated Fiberglass	≤14.6	13.1

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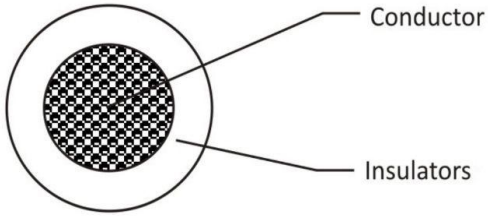
UL3123

Specifications

Insulation Material		SILICONE RUBBER
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		600V AC
Nominal Temperature		150℃
KV / min Test Voltage		2.0KV
Flame Test		VW-1
Before Aging	（kgf / m ㎡ 2） Average Tensile Strength	≥0.352
	Average Elongation	≥100%
Aging Conditions		158℃ 60Day
After Aging	（kgf / m ㎡） Average Tensile Strength	≥0.352
	Average Elongation	≥50%or≥25%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
30	Tinned Copper	7/0.10±0.008	0.3	≤13	0.762	0.6858	1.85	±0.10	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.36	≤13	0.762	0.6858	1.9	±0.10	≤238	0.79
26	Tinned Copper	7/0.16±0.008	0.48	≤15	0.762	0.6858	2.1	±0.12	≤150	1.4
24	Tinned Copper	14/0.14±0.008	0.612	≤18	0.762	0.6858	2.25	±0.12	≤94.2	2.1
22	Tinned Copper	22/0.14±0.008	0.758	≤20	0.762	0.6858	2.35	±0.12	≤59.4	3.4
20	Tinned Copper	21/0.18±0.008	0.952	≤32	0.762	0.6858	2.55	±0.12	≤36.7	5.2
18	Tinned Copper	34/0.18±0.008	1.22	≤51	0.762	0.6858	2.85	±0.12	≤23.2	8.6
16	Tinned Copper	52/0.18±0.008	1.5	≤51	0.762	0.6858	3.2	±0.15	≤14.6	13.2

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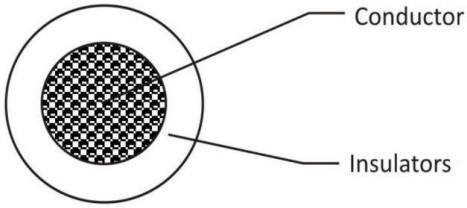
UL3132

Specifications

Insulation Material		SILICONE RUBBER
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		300V AC
Nominal Temperature		150℃
KV / min Test Voltage		2.0KV
Flame Test		VW-1
Before Aging	（kgf / m ㎡） Average Tensile Strength	≥0.352
	Average Elongation	≥100%
Aging Conditions		158℃ 60Day
After Aging	（kgf / m ㎡） Average Tensile Strength	≥0.352
	Average Elongation	≥50%or≥25%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
30	Tinned Copper	7/0.10±0.008	0.3	≤13	0.381	0.3302	1.1	±0.10	≤381	0.55
28	Tinned Copper	7/0.127±0.008	0.388	≤13	0.381	0.3302	1.2	±0.10	≤239	0.88
26	Tinned Copper	7/0.16±0.008	0.488	≤15	0.381	0.3302	1.3	±0.10	≤150	1.4
24	Tinned Copper	14/0.14±0.008	0.6	≤18	0.381	0.3302	1.4	±0.10	≤94.2	2.2
22	Tinned Copper	22/0.14±0.008	0.758	≤20	0.381	0.3302	1.6	±0.10	≤59.4	3.38
20	Tinned Copper	21/0.18±0.008	0.952	≤32	0.381	0.3302	1.8	±0.10	≤36.7	5.34
18	Tinned Copper	34/0.18±0.008	1.22	≤51	0.381	0.3302	2.2	±0.12	≤23.2	8.64
16	Tinned Copper	52/0.18±0.008	1.53	≤51	0.381	0.3302	3	±0.12	≤14.6	13.2
14	Tinned Copper	41/0.254±0.008	1.9	≤51	0.381	0.3302	3.4	±0.12	≤8.96	20.76
12	Tinned Copper	65/0.254±0.008	2.52	≤51	0.381	0.3302	4	±0.15	≤5.64	32.92
10	Tinned Copper	105/0.254±0.008	3	≤64	0.381	0.3302	5	±0.20	≤3.546	42.2
8	Tinned Copper	166/0.254±0.008	3.78	≤76	0.381	0.3302	6	±0.25	≤2.23	58
6	Tinned Copper	266/0.254±0.008	4.78	≤89	0.381	0.3302	7.2	±0.25	≤1.403	96.4
4	Tinned Copper	420/0.254±0.008	6	≤102	0.381	0.3302	9	±0.35	≤0.882	125.6

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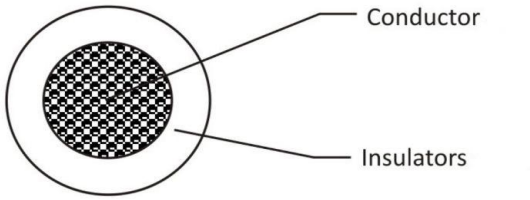
UL3135

Specifications

Insulation Material		SILICONE RUBBER
Conductor		Nikel(Tinned)Copper/Copper
Color		Optional
Nominal Voltage		600V AC
Nominal Temperature		200℃
KV / min Test Voltage		2.0KV
Flame Test		VW-1
Before Aging	（kgf / m ㎡ 2） Average Tensile Strength	≥0.352
	Average Elongation	≥100%
Aging Conditions		210℃ 60Day
After Aging	（kgf / m ㎡） Average Tensile Strength	≥0.352
	Average Elongation	≥50%or≥25%

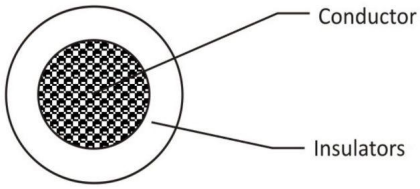


AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness （mm）	Minimum Thickness At Any Point （mm）	Diameter （mm）	Tolerance （mm）	Conductor Resistance at20℃ ohms/km	Nominal Current （A）
26	Nikel Copper	7/0.16±0.008	0.48	≤15	0.762	0.6858	2.1	±0.12	≤150	1.4
24	Nikel Copper	14/0.14±0.008	0.61	≤18	0.762	0.6858	2.25	±0.12	≤94.2	2.2
22	Nikel Copper	22/0.14±0.008	0.76	≤20	0.762	0.6858	2.36	±0.12	≤59.4	3.38
20	Nikel Copper	21/0.18±0.008	0.952	≤32	0.762	0.6858	2.5	±0.12	≤36.7	5.34
18	Nikel Copper	34/0.18±0.008	1.22	≤51	0.762	0.6858	2.85	±0.12	≤23.2	8.64
16	Nikel Copper	52/0.18±0.008	1.53	≤51	0.762	0.6858	3.2	±0.15	≤14.6	13.2
14	Nikel Copper	41/0.254±0.008	1.9	≤51	0.762	0.6858	3.5	±0.15	≤8.96	20.76
12	Nikel Copper	65/0.254±0.008	2.52	≤51	0.762	0.6858	4.2	±0.20	≤5.64	32.92

UL3239

Specifications

Insulation Material		SILICONE RUBBER
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		3KV DC
Nominal Temperature		150℃
KV / min Test Voltage		7KV DC
Flame Test		VW-1
Before Aging	（kgf / m ㎡ 2） Average Tensile Strength	≥0.84
	Average Elongation	≥250%
Aging Conditions		158℃ 60Day
After Aging	（kgf / m ㎡） Average Tensile Strength	≥0.598 or ≥60%
	Average Elongation	≥150% or ≥25%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness （mm）	Minimum Thickness At Any Point （mm）	Diameter （mm）	Tolerance （mm）	Conductor Resistance at20℃ ohms/km	Nominal Current （A）
24	Tinned Copper	14/0.14±0.008	0.61	≤18	0.635	0.5588	1.95	±0.10	≤94.2	2.1
22	Tinned Copper	22/0.14±0.008	0.76	≤20	0.635	0.5588	2.1	±0.12	≤59.4	3.4
20	Tinned Copper	21/0.18±0.008	0.952	≤32	0.635	0.5588	2.3	±0.12	≤36.7	5.2
18	Tinned Copper	34/0.18±0.008	1.22	≤51	0.635	0.5588	2.55	±0.12	≤23.2	8.6
16	Tinned Copper	52/0.18±0.008	1.5	≤51	0.635	0.5588	2.9	±0.12	≤14.6	13.7
14	Tinned Copper	41/0.254±0.008	1.9	≤51	0.635	0.5588	3.25	±0.15	≤8.96	21.3
12	Tinned Copper	65/0.254±0.008	2.52	≤51	0.635	0.5588	3.85	±0.15	≤5.64	37.2
10	Tinned Copper	105/0.254±0.008	3	≤64	0.635	0.5588	4.6	±0.20	≤3.546	42.2

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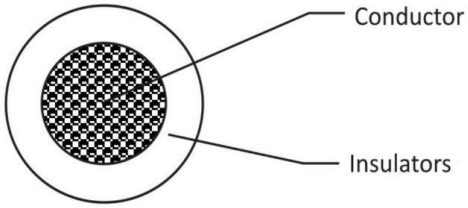
UL3512

Specifications

Insulation Material		SILICONE RUBBER
Conductor		Nikel(Tinned) Copper/Copper
Color		Optional
Nominal Voltage		600V AC
Nominal Temperature		200℃
KV / min Test Voltage		2.5KV
Flame Test		VW-1
Before Aging	（kgf / m ㎡ 2） Average Tensile Strength	≥0.352
	Average Elongation	≥100%
Aging Conditions		210℃60Day
After Aging	（kgf / m ㎡） Average Tensile Strength	≥0.352
	Average Elongation	≥50%or≥25%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness （mm）	Minimum Thickness At Any Point （mm）	Diameter （mm）	Tolerance （mm）	Conductor Resistance at20℃ ohms/km	Nominal Current （A）
22	Nikel Copper	22/0.14±0.008	0.761	≤20	0.762	0.6858	2.35	±0.12	≤59.4	3.40
20	Nikel Copper	21/0.18±0.008	0.952	≤32	0.762	0.6858	2.55	±0.12	≤36.7	5.20
18	Nikel Copper	34/0.18±0.008	1.220	≤51	0.762	0.6858	2.85	±0.12	≤23.2	8.20
16	Nikel Copper	52/0.18±0.008	1.500	≤51	0.762	0.6858	3.2	±0.15	≤14.6	13.10
14	Nikel Copper	41/0.254±0.008	1.880	≤51	0.762	0.6858	3.55	±0.15	≤8.96	20.70
12	Nikel Copper	65/0.254±0.008	2.400	≤51	0.762	0.6858	4.2	±0.20	≤5.64	32.90
10	Nikel Copper	105/0.254±0.008	3.000	≤64	1.143	1.016	5.5	±0.25	≤3.546	42.50
8	Nikel Copper	166/0.254±0.008	3.800	≤76	1.143	1.016	6.3	±0.30	≤2.23	58.80
6	Nikel Copper	7*38/0.254±0.008	5.000	≤89	1.524	1.3716	8.8	±0.40	≤1.403	80.80
4	Nikel Copper	7*60/0.254±0.008	6.800	≤102	1.524	1.3716	10.5	±0.50	≤0.882	106.30
2	Nikel Copper	19*35/0.254±0.008	8.700	≤140	1.524	1.3716	13	±0.70	≤0.5548	134.70
1	Nikel Copper	19*44/0.254±0.008	9.700	≤160	2.032	1.9304	14.5	±0.80	≤0.4398	169.30
1/0	Nikel Copper	19*55/0.254±0.008	10.800	≤180	2.032	1.9304	15.5	±0.90	≤0.3487	185.20
2/0	Nikel Copper	19*70/0.254±0.008	12.300	≤210	2.032	1.9304	17.5	±1.30	≤0.2766	202.00
3/0	Nikel Copper	19*88/0.254±0.008	13.800	≤250	2.032	1.9304	18.5	±1.40	≤0.2194	254.20
4/0	Nikel Copper	19*111/0.254±0.008	15.500	≤300	2.413	2.159	21.5	±1.80	≤0.1722	267.00

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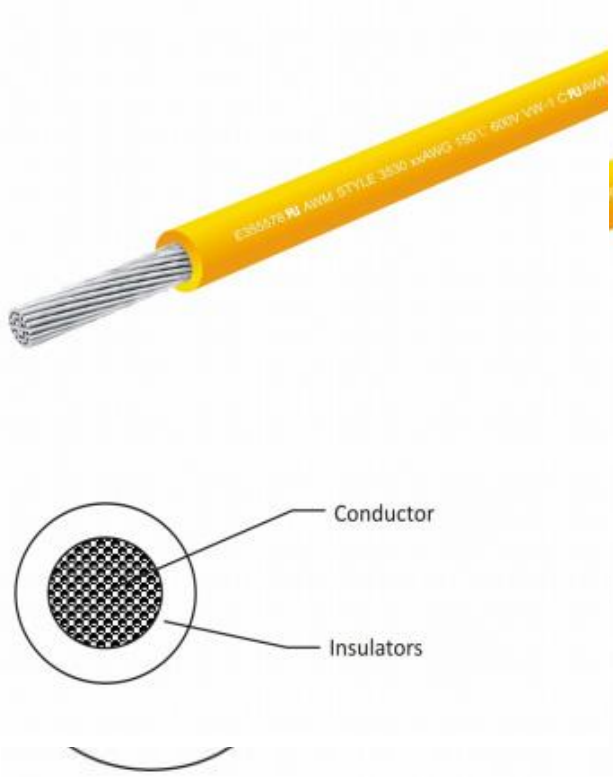
UL3530



Specifications

Insulation Material		SILICONE RUBBER
Conductor		Nikel(Tinned)Copper/Copper
Color		Optional
Nominal Voltage		600V AC
Nominal Temperature		150°C or 200°C
KV / min Test Voltage		2.5KV
Flame Test		VW-1
Before Aging	（kgf / m ㎡ 2） Average Tensile Strength	≥0.352
	Average Elongation	≥100%
Aging Conditions		150°C 60Day or210°C60Day
After Aging	（kgf / m ㎡） Average Tensile Strength	≥0.352
	Average Elongation	≥50%or≥25%

AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness （mm）	Minimum Thickness At Any Point （mm）	Diameter （mm）	Tolerance （mm）	Conductor Resistance at20°C ohms/km	Nominal Current （A）
26	Nikel Copper	7/0.16±0.008	0.48	≤15	0.381	0.3302	1.3	±0.10	≤150	1.4
24	Nikel Copper	14/0.14±0.008	0.61	≤18	0.381	0.3302	1.4	±0.10	≤94.2	2.2
22	Nikel Copper	22/0.14±0.008	0.760	≤20	0.762	0.6858	2.35	±0.12	≤59.4	3.40
20	Nikel Copper	21/0.18±0.008	0.952	≤32	0.762	0.6858	2.55	±0.12	≤36.7	5.20
18	Nikel Copper	34/0.18±0.008	1.220	≤51	0.762	0.6858	2.85	±0.12	≤23.2	8.20
16	Nikel Copper	52/0.18±0.008	1.500	≤51	0.762	0.6858	3.2	±0.15	≤14.6	13.10
14	Nikel Copper	41/0.254±0.008	1.880	≤51	0.762	0.6858	3.55	0.15	≤8.96	20.70
12	Nikel Copper	65/0.254±0.008	2.400	≤51	0.762	0.6858	4.2	±0.20	≤5.64	32.90
10	Nikel Copper	105/0.254±0.008	3.000	≤64	1.143	1.016	5.5	±0.25	≤3.546	42.50
8	Nikel Copper	166/0.254±0.008	3.800	≤76	1.143	1.016	6.3	±0.30	≤2.23	58.80
6	Nikel Copper	7*38/0.254±0.008	5.000	≤89	1.524	1.3716	8.8	±0.40	≤1.403	80.80
4	Nikel Copper	7*60/0.254±0.008	6.800	≤102	1.524	1.3716	10.5	±0.50	≤0.882	106.30
2	Nikel Copper	19*35/0.254±0.008	8.700	≤140	1.524	1.3716	13	±0.70	≤0.5548	134.70
1	Nikel Copper	19*44/0.254±0.008	9.700	≤160	2.032	1.9304	14.5	±0.80	≤0.4398	169.30
1/0	Nikel Copper	19*55/0.254±0.008	10.800	≤180	2.032	1.9304	15.5	±0.90	≤0.3487	185.20
2/0	Nikel Copper	19*70/0.254±0.008	12.300	≤210	2.032	1.9304	17.5	±1.30	≤0.2766	202.00
3/0	Nikel Copper	19*88/0.254±0.008	13.800	≤250	2.032	1.9304	18.5	±1.40	≤0.2194	254.20
4/0	Nikel Copper	19*111/0.254±0.008	15.500	≤300	2.413	2.159	21.5	±1.80	≤0.1722	267.00

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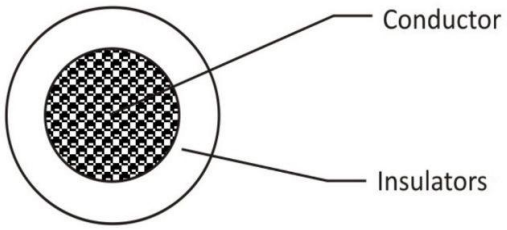
UL3536

Specifications

Insulation Material		SILICONE RUBBER
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		600V AC
Nominal Temperature		150°C
KV／min Test Voltage		2.5KV
Flame Test		VW-1
Before Aging	(kgf／m ㎡ 2) Average Tensile Strength	≥0.352
	Average Elongation	≥100%
Aging Conditions		158°C 60Day
After Aging	(kgf／m ㎡) Average Tensile Strength	≥0.352
	Average Elongation	≥50%or≥25%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness (mm)	Minimum Thickness At Any Point (mm)	Diameter (mm)	Tolerance (mm)	Conductor Resistance at20℃ ohms/km	Nominal Current (A)
20	Tinned Copper	21/0.18±0.008	0.952	≤32	0.762	0.6858	2.55	±0.12	≤36.7	5.20
18	Tinned Copper	34/0.18±0.008	1.220	≤51	0.762	0.6858	2.85	±0.12	≤23.2	8.20
16	Tinned Copper	52/0.18±0.008	1.500	≤51	0.762	0.6858	3.2	±0.15	≤14.6	13.10
14	Tinned Copper	41/0.254±0.008	1.880	≤51	0.762	0.6858	3.55	±0.15	≤8.96	20.70
12	Tinned Copper	65/0.254±0.008	2.400	≤51	0.762	0.6858	4.2	±0.20	≤5.64	32.90
10	Tinned Copper	105/0.254±0.008	3.000	≤64	1.143	1.016	5.5	±0.25	≤3.546	42.50
8	Tinned Copper	166/0.254±0.008	3.800	≤76	1.143	1.016	6.3	±0.30	≤2.23	58.80
6	Tinned Copper	7*38/0.254±0.008	5.000	≤89	1.524	1.3716	8.8	±0.40	≤1.403	80.80
4	Tinned Copper	7*60/0.254±0.008	6.800	≤102	1.524	1.3716	10.5	±0.50	≤0.882	106.30
2	Tinned Copper	19*35/0.254±0.008	8.700	≤140	1.524	1.3716	13	±0.70	≤0.5548	134.70
1	Tinned Copper	19*44/0.254±0.008	9.700	≤160	2.032	1.9304	14.5	±0.80	≤0.4398	169.30
1/0	Tinned Copper	19*55/0.254±0.008	10.800	≤180	2.032	1.9304	15.5	±0.90	≤0.3487	185.20
2/0	Tinned Copper	19*70/0.254±0.008	12.300	≤210	2.032	1.9304	17.5	±1.30	≤0.2766	202.00
3/0	Tinned Copper	19*88/0.254±0.008	13.800	≤250	2.032	1.9304	18.5	±1.40	≤0.2194	254.20
4/0	Tinned Copper	19*111/0.254±0.008	15.500	≤300	2.413	2.159	21.5	±1.80	≤0.1722	267.00

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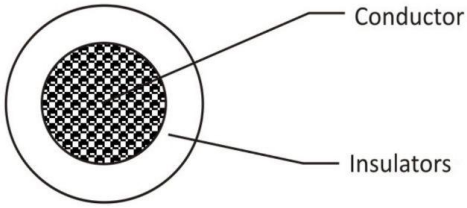
UL3643

Specifications

Insulation Material		SILICONE RUBBER
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		13800V AC
Nominal Temperature		150°C
KV／min Test Voltage		28.6KV
Flame Test		VW-1
Before Aging	(kgf／m ㎡ 2) Average Tensile Strength	≥0.352
	Average Elongation	≥100%
Aging Conditions		158°C 60Day
After Aging	(kgf／m ㎡) Average Tensile Strength	≥0.352
	Average Elongation	≥50% or ≥25%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
16	Tinned Copper	52/0.18±0.008	1.500	≤51	3.48	3.12	8.5	±0.30	≤14.6	13.10
14	Tinned Copper	41/0.254±0.008	1.880	≤51	3.48	3.12	8.9	±0.30	≤8.96	20.70
12	Tinned Copper	65/0.254±0.008	2.400	≤51	3.48	3.12	9.5	±0.40	≤5.64	32.90
8	Tinned Copper	166/0.254±0.008	3.800	≤76	3.48	3.12	10.8	±0.50	≤2.23	58.80
6	Tinned Copper	7*38/0.254±0.008	5.000	≤89	3.48	3.12	12.0	±0.70	≤1.403	80.80
4	Tinned Copper	7*60/0.254±0.008	6.800	≤102	3.48	3.12	14.0	±0.90	≤0.882	106.30
2	Tinned Copper	19*35/0.254±0.008	8.700	≤140	3.48	3.12	16.0	±1.0	≤0.5548	134.70
1	Tinned Copper	19*44/0.254±0.008	9.700	≤160	3.48	3.12	17.0	±1.30	S0.4398	169.30
1/0	Tinned Copper	19*55/0.254±0.008	10.800	≤180	3.48	3.12	18.0	±1.40	≤0.3487	185.20
2/0	Tinned Copper	19*70/0.254±0.008	12.300	≤210	3.48	3.12	19.5	±1.50	≤0.2766	202.00
3/0	Tinned Copper	19*88/0.254±0.008	13.800	≤250	3.48	3.12	21.0	±1.70	≤0.2194	254.20
4/0	Tinned Copper	19*111/0.254±0.008	15.500	≤300	3.48	3.12	23.0	±1.80	≤0.1722	267.00

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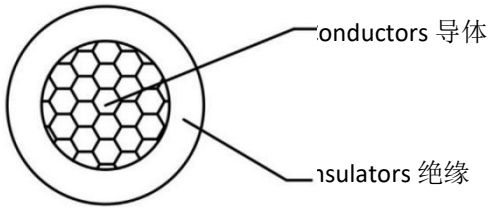
UL30045

Specifications

Insulation Material	SILICONE RUBBER
Conductor	Tinned Copper/Copper
Color	Optional
Nominal Voltage	1500V AC
Nominal Temperature	150℃
KV／min Test Voltage	6KV
Flame Test	FT2



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
4/0AWG	Tinned Copper	19*111/0.254±0.008	13.5±0.50	≤220	2.40	2.30	19.0	±1.40	≤0.1722Ω/KM	267A
3/0AWG	Tinned Copper	19*88/0.254±0.008	12.0±0.50	≤180	2.40	2.30	17.0	±1.30	≤0.2194Ω/KM	211A
2/0AWG	Tinned Copper	19*70/0.254±0.008	10.7±0.40	≤170	2.40	2.30	16.0	±1.20	≤0.2766Ω/KM	202A
1/0AWG	Tinned Copper	19*55/0.254±0.008	9.50±0.40	≤160	2.40	2.30	14.5	±0.90	≤0.3487Ω/KM	185A
1AWG	Tinned Copper	19*44/0.254±0.008	8.50±0.40	≤160	2.40	2.30	13.5	±0.80	≤0.4398Ω/KM	169A
2AWG	Tinned Copper	19*35/0.254±0.008	7.60±0.30	≤150	2.20	2.10	12.5	±0.70	≤0.5548Ω/KM	135A
4AWG	Tinned Copper	7*60/0.254±0.008	6.0±0.30	≤102	2.20	2.10	10.5	±0.50	≤0.882Ω/KM	106A
6AWG	Tinned Copper	7*38/0.254±0.008	4.78±0.25	≤89	1.90	1.80	8.8	±0.30	≤1.403Ω/KM	80A
8AWG	Tinned Copper	165/0.254±0.008	3.78±0.20	≤76	1.0	0.90	6.0	±0.25	≤2.23Ω/KM	58A
10AWG	Tinned Copper	105/0.254±0.008	3.0±0.20	≤64	1.0	0.90	5.5	±0.25	≤3.546Ω/KM	42.5A
12AWG	Tinned Copper	65/0.254±0.008	2.36±0.15	≤51	1.0	0.90	4.5	±0.20	≤5.64Ω/KM	32.9A
14AWG	Tinned Copper	41/0.254±0.008	1.88±0.12	≤51	0.60	0.55	3.5	±0.15	≤8.96Ω/KM	20.7A
16AWG	Tinned Copper	52/0.18±0.008	1.50±0.10	≤51	0.60	0.55	2.85	±0.12	≤14.6Ω/KM	13.2A
18AWG	Tinned Copper	34/0.18±0.008	1.21±0.10	≤51	09.0	0.55	2.5	±0.12	≤23.2Ω/KM	8.6A
20AWG	Tinned Copper	21/0.18±0.008	0.93±0.08	≤32	0.60	0.55	2.2	±0.10	≤36.7Ω/KM	5.08A
22AWG	Tinned Copper	22/0.14±0.008	0.76±0.05	≤20	0.60	0.55	2.0	±0.10	≤59.4Ω/KM	3.3A
24AWG	Tinned Copper	14/0.14±0.008	0.60±0.05	≤18	0.60	0.55	1.85	±0.10	≤94.2Ω/KM	2.1A

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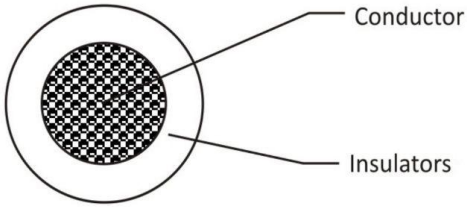
UL30045

Specifications

Insulation Material		SILICONE RUBBER
Conductor		Nikel Copper
Color		Optional
Nominal Voltage		3000V AC
Nominal Temperature		200°C
KV／min Test Voltage		7KV
Flame Test		FT2
Before Aging	(kgf／m㎡ 2) Average Tensile Strength	≥0.352
	Average Elongation	≥100%
Aging Conditions		210°C 60Day
After Aging	(kgf／m㎡) Average Tensile Strength	≥0.352
	Average Elongation	≥50% or ≥25%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20°C ohms/km	Nominal Current（A）
22	Nikel Copper	22/0.14±0.008	0.761	≤20	0.762	0.6858	2.3	±0.12	≤59.4	3.40
20	Nikel Copper	21/0.18±0.008	0.952	≤32	0.762	0.6858	2.5	±0.12	≤36.7	4.20
18	Nikel Copper	34/0.18±0.008	1.220	≤51	0.762	0.6858	2.8	±0.12	≤23.2	8.20
16	Nikel Copper	52/0.18±0.008	1.500	≤51	0.762	0.6858	3.2	±0.15	≤14.6	13.10
14	Nikel Copper	41/0.254±0.008	1.880	≤51	0.762	0.6858	3.5	±0.15	≤8.96	20.70
12	Nikel Copper	65/0.254±0.008	2.400	≤51	0.762	0.6858	4.0	±0.20	≤5.64	32.90
10	Nikel Copper	105/0.254±0.008	3.000	≤64	1.778	1.6002	6.8	±0.30	≤3.546	42.50
8	Nikel Copper	166/0.254±0.008	3.800	≤76	1.778	1.6002	7.5	±0.35	≤2.23	58.80
6	Nikel Copper	7*38/0.254±0.008	5.000	≤89	1.778	1.6002	9.0	±0.45	≤1.403	80.80
4	Nikel Copper	7*60/0.254±0.008	6.800	≤102	1.778	1.6002	10.8	±0.50	≤0.882	106.30
2	Nikel Copper	19*35/0.254±0.008	8.700	≤140	1.778	1.6002	12.8	±0.60	≤0.5548	134.70
1	Nikel Copper	19*44/0.254±0.008	9.700	≤160	1.778	1.6002	14.0	±0.70	≤0.4398	169.30
1/0	Nikel Copper	19*55/0.254±0.008	10.800	≤180	1.778	1.6002	15.0	±0.90	≤0.3487	185.20
2/0	Nikel Copper	19*70/0.254±0.008	12.300	≤210	1.778	1.6002	17.0	±1.30	≤0.2766	202.00
3/0	Nikel Copper	19*88/0.254±0.008	13.800	≤250	1.778	1.6002	18.0	±1.40	≤0.2194	254.20
4/0	Nikel Copper	19*111/0.254±0.008	15.500	≤300	2.413	2.2098	21.0	±1.80	≤0.1722	267.00

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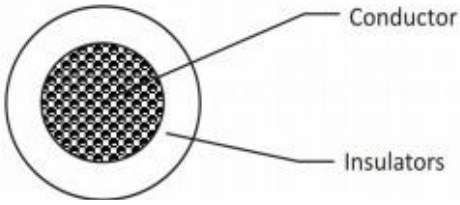
UL30081

Specifications

Insulation Material		SILICONE RUBBER
Conductor		Nikel(Tinned)Copper/Copper
Color		Optional
Nominal Voltage		15000V AC
Nominal Temperature		200°C
KV／min Test Voltage		31KV
Flame Test		FT2
Before Aging	(kgf／m㎡) Average Tensile Strength	≥0.352
	Average Elongation	≥100%
Aging Conditions		210°C 60Day
After Aging	(kgf／m㎡) Average Tensile Strength	≥0.352
	Average Elongation	≥50% or ≥25%

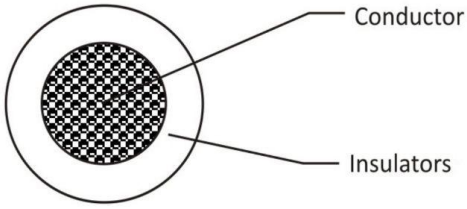


AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20°C ohms/km	Nominal Current（A）
18	Nikel Copper	34/0.18±0.008	1.220	≤51	3.937	3.7338	9.2	±0.40	≤23.2	8.20
16	Nikel Copper	52/0.18±0.008	1.500	≤51	3.937	3.7338	9.5	±0.40	≤14.6	13.10
14	Nikel Copper	41/0.254±0.008	1.880	≤51	3.937	3.7338	10.0	±0.50	≤8.96	20.70
12	Nikel Copper	65/0.254±0.008	2.400	≤51	3.937	3.7338	10.5	±0.50	≤5.64	32.90
10	Nikel Copper	105/0.254±0.008	3.000	≤64	3.937	3.7338	11.0	±0.60	≤3.546	42.50
8	Nikel Copper	166/0.254±0.008	3.800	≤76	3.937	3.7338	11.8	±0.60	≤2.23	58.80
6	Nikel Copper	7*38/0.254±0.008	5.000	≤89	3.937	3.7338	13.0	±0.70	≤1.403	80.80
4	Nikel Copper	7*60/0.254±0.008	6.800	≤102	3.937	3.7338	15.0	±1.10	≤0.882	106.30
2	Nikel Copper	19*35/0.254±0.008	8.700	≤140	3.937	3.7338	17.0	±1.30	≤0.5548	134.70
1	Nikel Copper	19*44/0.254±0.008	9.700	≤160	3.937	3.7338	18.0	±1.40	≤0.4398	169.30
1/0	Nikel Copper	19*55/0.254±0.008	10.800	≤180	3.937	3.7338	19.0	±1.50	≤0.3487	185.20
2/0	Nikel Copper	19*70/0.254±0.008	12.300	≤210	3.937	3.7338	21.0	±1.80	≤0.2766	202.00
3/0	Nikel Copper	19*88/0.254±0.008	13.800	≤250	3.937	3.7338	22.0	±1.90	≤0.2194	254.20
4/0	Nikel Copper	19*111/0.254±0.008	15.500	≤300	3.937	3.7338	24.0	+2.00	≤0.1722	267.00

Ultra-Flexible

Specifications

Insulation Material	SILICONE RUBBER
Conductor	Tinned Copper/Copper
Color	Optional
Nominal Voltage 30AWG-18AWG	300V AC
Nominal Voltage 16AWG-4/0AWG	600V AC
Nominal Temperature	200℃
KV／min Test Voltage 30AWG-18AWG	3.0KV AC
KV／min Test Voltage 16AWG-4/0AWG	6.0KV AC
Flame Test	FT2



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
30	Tinned Copper	11/0.08±0.008	0.30	8±1	0.25	0.21	0.8±0.05	≤381	0.055	0.6
28	Tinned Copper	16/0.08±0.008	0.37	11±1	0.41	0.34	1.2±0.08	≤239	0.08	0.8
26	Tinned Copper	30/0.08±0.008	0.50	15+2	0.50	0.42	1.5±0.08	≤150	0.15	1.5
24	Tinned Copper	40/0.08±0.008	0.60	15+2	0.50	0.42	1.6±0.08	≤94.2	0.2	2.0
22	Tinned Copper	60/0.08±0.008	0.75	22+2	0.47	0.40	1.7±0.08	≤59.4	0.3	3.0
20	Tinned Copper	100/0.08±0.008	0.95	27+2	0.42	0.35	1.8±0.08	≤36.7	0.5	5.0
18	Tinned Copper	150/0.08±0.008	1.20	31±3	0.55	0.46	2.3±0.10	≤23.2	0.75	7.5
16	Tinned Copper	252/0.08±0.008	1.47	31±3	0.76	0.65	3.0±0.12	≤14.6	1.26	12.0
14	Tinned Copper	400/0.08±0.008	1.90	34±3	0.80	0.68	3.5±0.12	≤8.96	2	20.0
12	Tinned Copper	680/0.08±0.008	2.50	39±3	1.00	0.86	4.5±0.15	≤5.64	3.4	34.0
10	Tinned Copper	1050/0.08±0.008	3.20	46±4	1.10	0.92	5.5±0.18	≤3.546	5.27	42.0
8	Tinned Copper	1650/0.08±0.008	3.90	46±4	1.30	1.10	6.5±0.20	≤2.23	8.28	58.0
7	Tinned Copper	2000/0.08±0.008	4.15	46±4	1.50	1.25	7.2±0.25	≤1.85	10	70.0
6	Tinned Copper	3200/0.08±0.008	5.60	58+5	1.45	1.20	8.5±0.30	≤1.18	16	96.0
4	Tinned Copper	5000/0.08±0.008	6.80	6+06	2.50	2.00	12.0±0.70	≤0.757	25	125.0
2	Tinned Copper	7000/0.08±0.008	8.00	98±9	2.00	1.60	12.0±0.70	≤0.538	35	140.0
1	Tinned Copper	10000/0.08±0.008	9.50	102±10	1.75	1.45	13.0±0.80	≤0.375	50	200.0
2/0	Tinned Copper	14000/0.08±0.008	11.00	120±10	2.50	2.10	16.0±1.20	≤0.264	70	211.0
3/0	Tinned Copper	19000/0.08±0.008	13.00	150±10	3.00	2.60	19.0±1.50	≤0.200	95	238.0
4/0	Tinned Copper	24000/0.08±0.008	14.50	180±10	2.80	2.50	20.5±1.60	≤0.156	120	301.0

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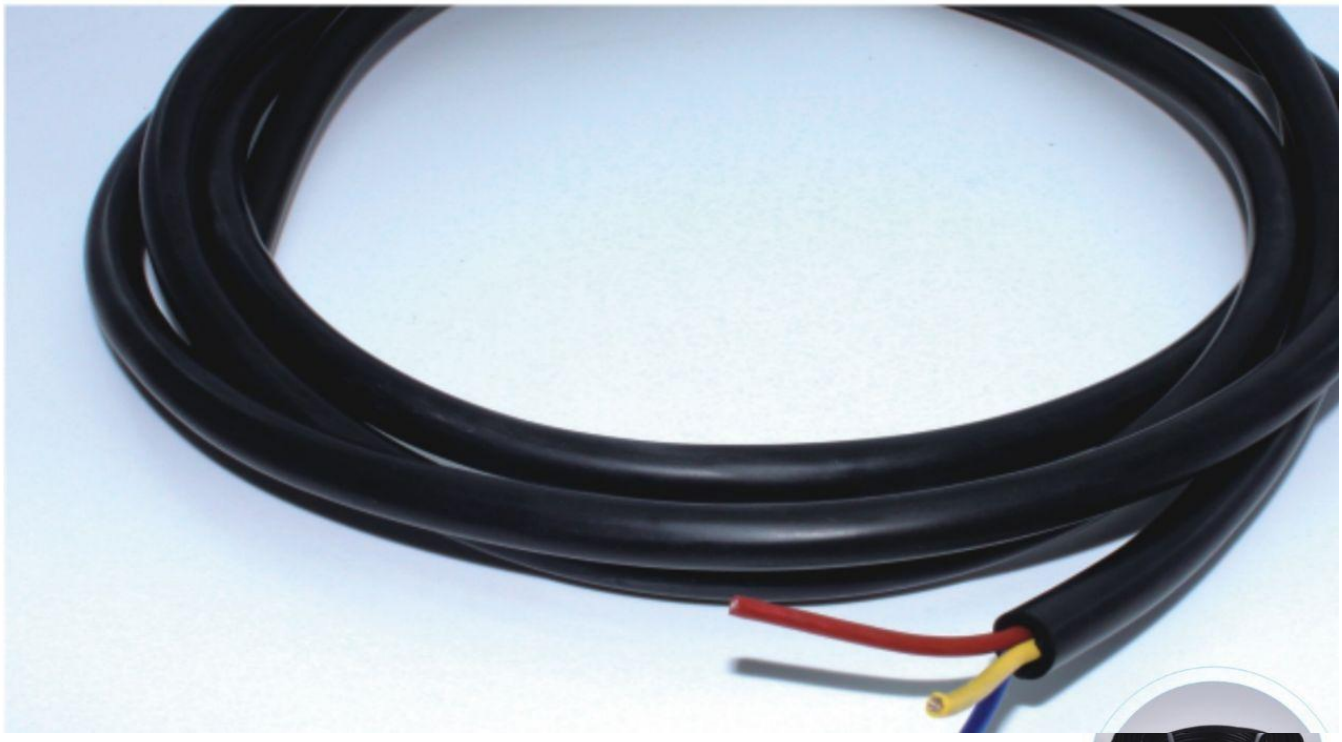
Silicone Data wire

- Rated voltage：30V
- Temperature range： -60℃-＋200℃
- Conductor material： Tinned Copper
- Insulating material： Silicone Rubber
- Color： Option
- Flame Rating： FT2/VW-1
- Product features: FAD certification, high and low temperature resistance, feel good, wear resistance,tear resistance, bending resistance, long service life, etc
- Application: universal charge, fast charge, PD, MFI

Ampere	Construction Specs	Conductor Insulation	Jacket Insulation	FOD(mm)	Color
2A	(50/0.08*2＋500D)＋(16/0.08*2＋250D)	TPEE/PP	Silicone Rubber	3.80	Customized
3A	(65/0.08*2＋500D)＋(16/0.08*2＋250D)	TPEE/PP	Silicone Rubber	3.80	
5A	(100/0.08*2＋500D)＋(16/0.08*2＋250D)	TPEE/PP	Silicone Rubber	3.80	

Silicone Mutil-core wire



- Nominal voltage：450V
- Temperature Range： -60℃～＋150℃ / 200℃
- OD. Tolrance： ±0.05-0.1MM
- Conductor：Tinned Copper
- Insulator：Silicone
- Colours：Red-Black-White-Brown-Yellow-Green-Yellow / Green-Transparent
- Suitable for a wide range of household appliances, LED lighting fixtures, electronic devices, automation, robotics, and other lead-out connection cables.

Comductor Construction No.*OD		Insulator				ElictricalCharacteristic	Packin
mm^2	Comps.n.x Φmm	Insulator Thick (mm)	Insulation Thick (mm)	Jacket Thick (mm)	Over Diameter Φmm	Realst,maxcuc, c20℃ ohm/km	Mt/coils
2X0.5	16/0.20	0.60	2.10	1.00	6.20	37.10	100
2X0.75	24/0.20	0.60	2.40	1.10	7.00	26.70	100
2X1.0	32/0.20	0.60	2.50	1.20	7.40	20.00	100
2x1.5	30/0.254	0.70	2.80	1.30	8.20	13.70	50
2x2.0	41/0.254	0.70	3.30	1.80	10.20	9.40	50
3X0.5	16/0.20	0.60	2.10	1.00	6.20	37.10	50
3X0.75	24/0.20	0.60	2.40	1.00	6.80-7.80	26.70	50
3X1.0	32/0.20	0.60	2.50	1.20	7.40-8.40	20.00	50
3X1.5	30/0.254	0.70	2.80	1.50	8.60-9.60	13.70	50
3X2.0	41/0.254	0.70	3.30	1.80	10.60-13.00	9.40	50

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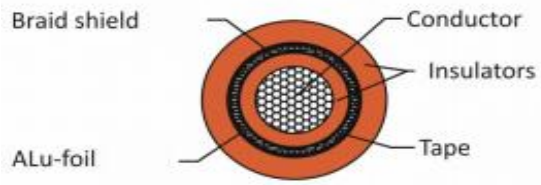
EV-Silicone

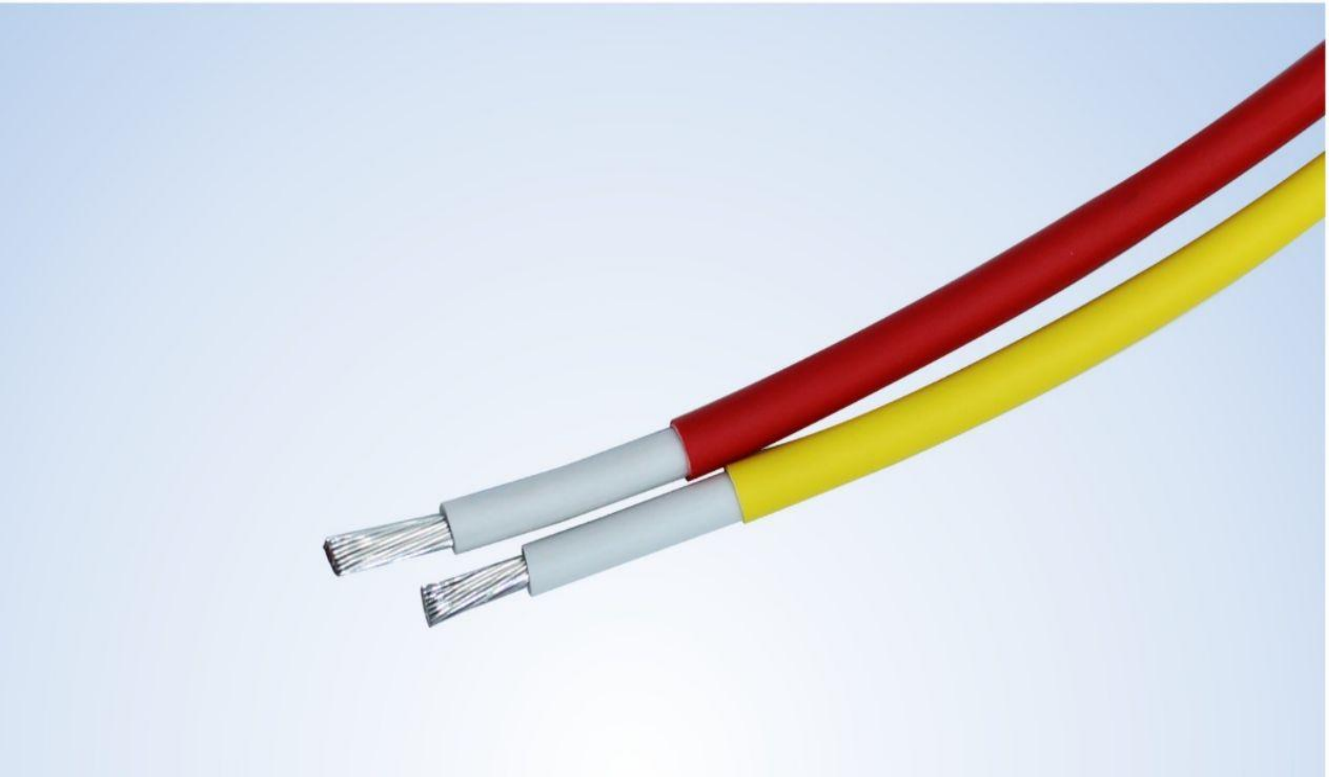
Specifications

Insulation Material	SILICONE RUBBER
Color	Orange/ Red/Black
Nominal Voltage	1000V AC/1500V DC
Nominal Temperature	-40℃~180℃
Test Voltage (1KV 30min, 5KV 5min)	Non-Puncture
70℃ Insulation volume resistivity	≥1x10^{13}
Spark test	8KV
Short term ageing	FT2
Long term ageing	180℃(3000h)



Cross-section mm²	Construction AWG	Diam of Strands	Insul. Diameter（mm）	Nominal Thickness（mm）	Minimum Thickness（mm）	Shielding			Tape Min	Outer diameter of sheath	Nominal Thickness（mm）	Minimum Thickness（mm）	Conductor Resistance at20℃ ohms/km	Shield Resistance Ref ohms/km
						Al-Film Min	Single Wire Diamete（mm）	Coverage Min						
2.5	80/0.20±0.008	2.20	3.10±0.15	0.4	0.32	20%	0.12	85%	20%	5.2±0.25	0.6	0.38	57.6	≤24.02
4	130/0.20±0.008	2.90	3.70±0.15	0.4	0.32	20%	0.12	85%	20%	5.8±0.25	0.6	0.38	≤4.71	≤14.9
6	196/0.20±0.008	3.30	4.30±0.15	0.6	0.48	20%	0.12	85%	20%	6.5±0.25	0.6	0.46	≤3.14	≤13.7
10	324/0.20±0.008	4.30	6.0±0.30	0.7	0.48	20%	0.12	85%	20%	8.8±0.30	1.1	0.7	≤1.82	≤9.9
16	513/0.20±0.008	5.80	7.20±0.30	0.7	0.52	20%	0.15	85%	20%	10.2±0.30	1.1	0.7	≤1.16	≤8.4
25	798/0.20±0.008	7.20	8.80±0.30	0.8	0.64	20%	0.15	85%	20%	12.2±0.30	1.3	0.75	≤0.743	≤5.1
35	1121/0.20±0.008	8.50	10.50±0.35	1.0	0.64	20%	0.15	85%	20%	14.4±0.30	1.5	0.8	≤0.527	≤4.4
50	1596/0.20±0.008	10.50	12.20±0.35	0.85	0.71	20%	0.15	85%	20%	15.8±0.30	1.4	0.8	≤0.368	≤3.8
70	2233/0.20±0.008	12.50	15.50±0.75	1.5	1.2	20%	0.15	85%	20%	20.0±0.40	1.6	0.8	≤0.259	≤3.2
95	3040/0.20±0.008	14.80	18.00±0.90	1.6	1.2	20%	0.15	85%	20%	22.5±0.50	1.8	1.16	≤0.196	≤2.2
120	3829/0.20±0.008	16.50	19.70±0.90	1.6	1.28	20%	0.15	85%	20%	23.5±0.50	1.5	1.16	≤0.153	≤2.0

Ceramic Silicone



- Rated voltage：450 / 750V
- Temperature range： 1000℃
- Conductor material：Tinned Copper/Bare Copper
- Insulating material：XLPE
- Flame Rating：FT2 / VW-1
- Color： Red, blue, green, yellow with green strips
- Product features: 850℃ high temperature, 90 minutes ceramic, high temperature resistance,fire resistance, environmental protection, low smoke halogen free
- Application: Home wiring, locomotives, aviation, oil tankers

FR-LSZH Ceramifiable Silicone Cable								
Nominal CSA (mm^2)	Conductor Construction (No./mm)	Insulation Thickness (mm)	Sheath Thickness (mm)	FOD (mm)	Maximum DC Resistance of Conductor at 20°C （Ω / km）	Maximum DC Resistance of Conductor at 70°C （Ω / km）	Current Carrying Capacity in Air at 25°C （A）	Packing (m/coil)
2.5	19/0.41	0.8	0.5	5.20	7.41	0.11	34.0	100
4	19/0.52	0.8	0.5	5.80	4.61	0.009	44.5	100
6	19/0.64	0.8	0.5	6.60	3.08	0.0084	58.0	100
10	49/0.52	1.0	0.5	8.60	1.83	0.0072	79.2	100
16	49/0.64	1.0	0.5	9.80	1.15	0.0062	111	50
25	98/0.58	1.2	0.5	12.0	0.727	0.0058	146	50
35	133/0.58	1.2	0.5	13.5	0.524	0.0052	180	50

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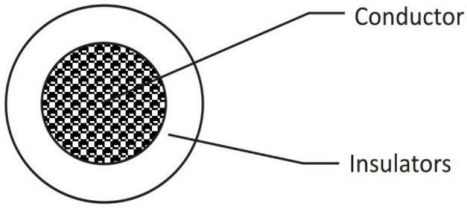
UL10368

Specifications

Insulation Material		XLPE
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		300V AC
Nominal Temperature		105℃
KV／min Test Voltage		2KV AC
Flame Test		FT2
Before Aging	(kgf／m㎡ 2) Average Tensile Strength	≥1.05
	Average Elongation	≥150%
Aging Conditions		136℃ 168H
After Aging	(kgf／m㎡) Average Tensile Strength	≥70%
	Average Elongation	≥45%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
32	Tinned Copper	7/0.08±0.008	0.240	≤13	0.2286	0.2032	0.70	±0.05	≤550	0.35
30	Tinned Copper	7/0.10±0.008	0.300	≤13	0.2286	0.2032	0.80	±0.05	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.360	≤13	0.2286	0.2032	0.90	±0.05	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.480	≤15	0.2286	0.2032	1.00	±0.10	≤150	1.40
24	Tinned Copper	11/0.16±0.008	0.610	≤18	0.2286	0.2032	1.13	±0.10	≤94.2	2.20
22	Tinned Copper	17/0.16±0.008	0.760	≤20	0.2286	0.2032	1.26	±0.10	≤59.4	3.40
20	Tinned Copper	26/0.16±0.008	0.940	≤32	0.2286	0.2032	1.50	±0.10	≤36.7	5.20
18	Tinned Copper	34/0.18±0.008	1.210	≤51	0.2286	0.2032	1.75	±0.10	≤23.2	8.60
16	Tinned Copper	26/0.254±0.008	1.510	≤51	0.2286	0.2032	2.10	±0.12	≤14.6	13.10
14	Tinned Copper	41/0.254±0.008	1.880	≤51	0.2286	0.2032	2.68	±0.12	≤8.96	20.70
12	Tinned Copper	65/0.254±0.008	2.400	≤51	0.2286	0.2032	3.40	±0.15	≤5.64	32.90
10	Tinned Copper	105/0.254±0.008	3.200	≤64	0.2286	0.2032	4.50	±0.20	≤3.546	42.50

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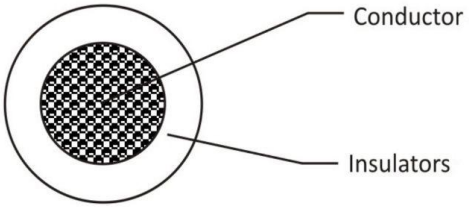
UL3173

Specifications

Insulation Material		XLPE
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		600V AC
Nominal Temperature		125℃
KV／min Test Voltage		2.0KV AC
Flame Test		FT2
Before Aging	(kgf／m㎡ 2) Average Tensile Strength	≥1.406
	Average Elongation	≥300%
Aging Conditions		158℃ 168H
After Aging	(kgf／m㎡) Average Tensile Strength	≥80%
	Average Elongation	≥80%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
26	Tinned Copper	7/0.16±0.008	0.48	≤15	0.762	0.6858	2.05	±0.10	≤150	1.4
24	Tinned Copper	7/0.20±0.008	0.60	≤18	0.762	0.6858	2.20	±0.10	≤94.2	2.2
22	Tinned Copper	7/0.254±0.008	0.76	≤20	0.762	0.6858	2.38	±0.10	≤59.4	3.4
20	Tinned Copper	21/0.18±0.008	0.95	≤32	0.762	0.6858	2.57	±0.10	≤36.7	5.2
18	Tinned Copper	16/0.254±0.008	1.17	≤51	0.762	0.6858	2.77	±0.12	≤23.2	8.1
16	Tinned Copper	26/0.254±0.008	1.50	≤51	0.762	0.6858	3.10	±0.15	≤14.6	13.1
14	Tinned Copper	41/0.254±0.008	1.88	≤51	0.762	0.6858	3.60	±0.15	≤8.96	20.7
12	Tinned Copper	65/0.254±0.008	2.36	≤51	0.762	0.6858	4.07	±0.20	≤5.64	32.9
10	Tinned Copper	105/0.254±0.008	3.00	≤64	0.762	0.6858	4.60	±0.20	≤3.546	42.5
9	Tinned Copper	131/0.254±0.008	3.40	≤64	0.762	0.6858	5.00	±0.25	≤2.81	46.4

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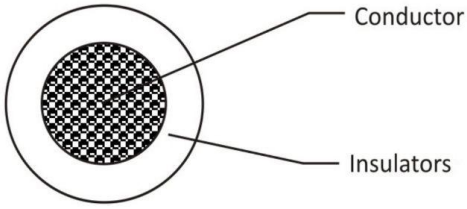
UL3265

Specifications

Insulation Material		XLPE
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		150V AC
Nominal Temperature		125℃
KV／min Test Voltage		1.5KV AC
Flame Test		FT2
Before Aging	(kgf／m㎡ 2) Average Tensile Strength	≥1.406
	Average Elongation	≥300%
Aging Conditions		158℃ 168H
After Aging	(kgf／m㎡) Average Tensile Strength	≥80%
	Average Elongation	≥80%

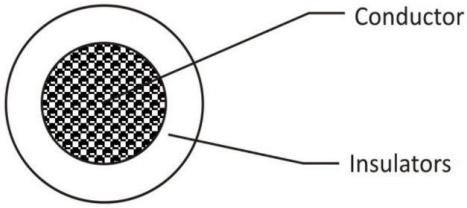


AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm)	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
32	Tinned Copper	7/0.08±0.008	0.240	≤13	0.254	0.2032	0.75	±0.05	≤550	0.35
30	Tinned Copper	7/0.10±0.008	0.300	≤13	0.254	0.2032	0.85	±0.05	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.360	≤13	0.254	0.2032	0.90	±0.10	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.480	≤15	0.254	0.2032	1.05	±0.10	≤150	1.4
24	Tinned Copper	11/0.16±0.008	0.610	≤18	0.254	0.2032	1.20	±0.10	≤94.2	2.2
22	Tinned Copper	17/0.16±0.008	0.760	≤20	0.254	0.2032	1.32	±0.10	≤59.4	3.4
20	Tinned Copper	21/0.18±0.008	0.950	≤32	0.254	0.2032	1.51	±0.10	≤36.7	5.2
18	Tinned Copper	41/0.16±0.008	1.180	≤51	0.254	0.2032	1.80	±0.12	≤23.2	8.23
16	Tinned Copper	26/0.254±0.008	1.500	≤51	0.254	0.2032	2.10	±0.12	≤14.6	13.1

UL3266

Specifications

Insulation Material		XLPE
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		300V AC
Nominal Temperature		125℃
KV／min Test Voltage		2KV AC
Flame Test		FT2
Before Aging	(kgf／m㎡) Average Tensile Strength	≥1.406
	Average Elongation	≥300%
Aging Conditions		158℃ 168H
After Aging	(kgf／m㎡) Average Tensile Strength	≥80%
	Average Elongation	≥80%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
32	Tinned Copper	7/0.08±0.008	0.240	≤13	0.381	0.3302	1.00	±0.05	≤550	0.35
30	Tinned Copper	7/0.10±0.008	0.300	≤13	0.381	0.3302	1.10	±0.05	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.360	≤13	0.381	0.3302	1.20	±0.10	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.480	≤15	0.381	0.3302	1.30	±0.10	≤150	1.40
24	Tinned Copper	11/0.16±0.008	0.610	≤18	0.381	0.3302	1.40	±0.10	≤94.2	2.20
22	Tinned Copper	17/0.16±0.008	0.760	≤20	0.381	0.3302	1.60	±0.10	≤59.4	3.40
20	Tinned Copper	21/0.18±0.008	0.950	≤32	0.381	0.3302	1.75	±0.10	≤36.7	5.20
18	Tinned Copper	34/0.18±0.008	1.210	≤51	0.381	0.3302	2.10	±0.12	≤23.2	8.60
16	Tinned Copper	26/0.254±0.008	1.500	≤51	0.381	0.3302	2.33	±0.12	≤14.6	13.10
14	Tinned Copper	41/0.254±0.008	1.880	≤51	0.381	0.3302	2.68	±0.12	≤8.96	20.70
12	Tinned Copper	65/0.254±0.008	2.400	≤51	0.381	0.3302	3.40	±0.15	≤5.64	32.90
10	Tinned Copper	105/0.254±0.008	3.200	≤64	0.381	0.3302	4.50	±0.20	≤3.546	42.50

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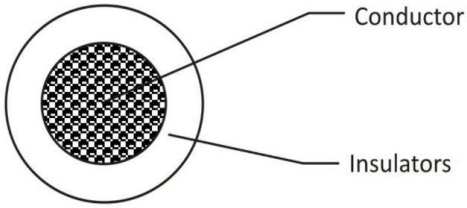
UL3271

Specifications

Insulation Material		XLPE
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		600V AC/750V DC
Nominal Temperature		125℃
KV／min Test Voltage		2.5KV AC
Flame Test		FT2
Before Aging	(kgf／m㎡ 2) Average Tensile Strength	≥1.406
	Average Elongation	≥300%
Aging Conditions		158℃ 168H
After Aging	(kgf／m㎡) Average Tensile Strength	≥80%
	Average Elongation	≥80%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
30	Tinned Copper	7/0.10±0.008	0.300	≤13	0.762	0.6858	1.85	±0.10	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.360	≤13	0.762	0.6858	1.95	±0.10	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.480	≤15	0.762	0.6858	2.00	±0.10	≤150	1.40
24	Tinned Copper	11/0.16±0.008	0.610	≤18	0.762	0.6858	2.20	±0.12	≤94.2	2.20
22	Tinned Copper	17/0.16±0.008	0.760	≤20	0.762	0.6858	2.25	±0.12	≤59.4	3.40
20	Tinned Copper	21/0.18±0.008	0.950	≤32	0.762	0.6858	2.50	±0.12	≤36.7	5.30
18	Tinned Copper	34/0.18±0.008	1.210	≤51	0.762	0.6858	2.75	±0.12	≤23.2	8.60
16	Tinned Copper	26/0.254±0.008	1.500	≤51	0.762	0.6858	3.10	±0.15	≤14.6	13.10
14	Tinned Copper	41/0.254±0.008	1.880	≤51	0.762	0.6858	3.50	±0.15	≤8.96	20.70
12	Tinned Copper	65/0.254±0.008	2.400	≤51	0.762	0.6858	4.00	±0.20	≤5.64	32.90
10	Tinned Copper	105/0.254±0.008	3.200	≤64	0.762	0.6858	5.00	±0.25	≤3.546	42.50
8	Tinned Copper	165/0.254±0.008	3.800	≤76	1.143	1.0160	6.50	±0.25	≤2.23	58.80
6	Tinned Copper	7*38/0.254±0.008	5.000	≤89	1.143	1.0160	7.80	±0.30	≤1.403	80.80
4	Tinned Copper	7*60/0.254±0.008	6.500	≤102	1.143	1.0160	9.00	±0.40	≤0.882	106.30
2	Tinned Copper	19*35/0.254±0.008	8.300	≤140	1.143	1.0160	11.00	±0.60	≤0.5548	134.70
1	Tinned Copper	19*44/0.254±0.008	9.500	≤160	1.397	1.2700	13.00	±0.80	≤0.4398	169.30
1/0	Tinned Copper	19*55/0.254±0.008	10.500	≤180	1.397	1.2700	14.00	±0.90	≤0.3487	185.20
2/0	Tinned Copper	19*70/0.254±0.008	12.000	≤210	1.397	1.2700	15.00	±1.00	≤0.2776	202.00
3/0	Tinned Copper	19*88/0.254±0.008	13.300	≤250	1.397	1.2700	16.50	±1.20	≤0.2194	254.20
4/0	Tinned Copper	19*111/0.254±0.008	15.300	≤300	1.397	1.2700	18.50	±1.40	≤0.1722	267.00

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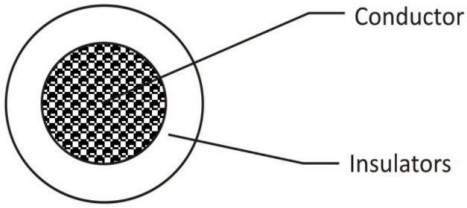
UL3289

Specifications

Insulation Material		XLPE
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		600V AC/750V DC
Nominal Temperature		150℃
KV／min Test Voltage		2.5KV AC
Flame Test		FT2
Before Aging	(kgf／m㎡) Average Tensile Strength	≥1.406
	Average Elongation	≥300%
Aging Conditions		180℃ 168H
After Aging	(kgf／m㎡) Average Tensile Strength	≥80%
	Average Elongation	≥80%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm)	Diameter（mm）	Tolerance（mm)	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
30	Tinned Copper	7/0.10±0.008	0.300	≤13	0.762	0.6858	1.85	±0.10	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.360	≤13	0.762	0.6858	1.95	±0.10	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.480	≤15	0.762	0.6858	2.00	±0.10	≤150	1.40
24	Tinned Copper	11/0.16±0.008	0.610	≤18	0.762	0.6858	2.20	±0.12	≤94.2	2.20
22	Tinned Copper	17/0.16±0.008	0.760	≤20	0.762	0.6858	2.25	±0.12	≤59.4	3.40
20	Tinned Copper	21/0.18±0.008	0.950	≤32	0.762	0.6858	2.50	±0.12	≤36.7	5.20
18	Tinned Copper	34/0.18±0.008	1.210	≤51	0.762	0.6858	2.75	±0.12	≤23.2	8.60
16	Tinned Copper	26/0.254±0.008	1.500	≤51	0.762	0.6858	3.10	±0.15	≤14.6	13.10
14	Tinned Copper	41/0.254±0.008	1.880	≤51	0.762	0.6858	3.50	±0.15	≤8.96	20.70
12	Tinned Copper	65/0.254±0.008	2.400	≤51	0.762	0.6858	4.00	±0.20	≤5.64	32.90
10	Tinned Copper	105/0.254±0.008	3.200	≤64	0.762	0.6858	5.00	±0.25	≤3.546	42.50
8	Tinned Copper	165/0.254±0.008	3.800	≤76	1.143	1.0414	6.50	±0.25	≤2.23	58.00
6	Tinned Copper	7*38/0.254±0.008	5.000	≤89	1.524	1.3716	8.50	±0.30	≤1.403	80.80
4	Tinned Copper	7*60/0.254±0.008	6.500	≤102	1.524	1.3716	10.00	±0.40	≤0.882	106.30
2	Tinned Copper	19*35/0.254±0.008	8.300	≤140	1.524	1.3716	11.50	±0.60	≤0.5548	134.70
1	Tinned Copper	19*44/0.254±0.008	9.500	≤160	2.032	1.8288	14.00	±0.80	≤0.4398	169.30
1/0	Tinned Copper	19*55/0.254±0.008	10.500	≤180	2.032	1.8288	15.00	±0.90	≤0.3487	185.20
2/0	Tinned Copper	19*70/0.254±0.008	12.000	≤210	2.032	1.8288	16.50	±1.00	≤0.2776	202.00
3/0	Tinned Copper	19*88/0.254±0.008	13.300	≤250	2.032	1.8288	17.80	±1.20	≤0.2194	254.20
4/0	Tinned Copper	19*111/0.254 ±0.008	15.300	≤300	2.032	1.8288	20.00	±1.40	≤0.1722	267.00

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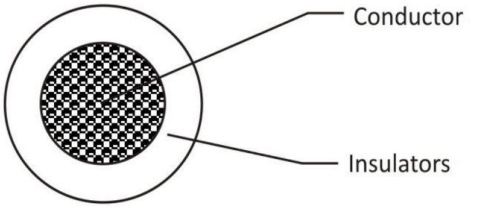
UL3302

Specifications

Insulation Material		XLPE
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		30V AC
Nominal Temperature		105℃
KV／min Test Voltage		500V AC
Flame Test		FT2
Before Aging	(kgf／m㎡ 2) Average Tensile Strength	≥1.05
	Average Elongation	≥150%
Aging Conditions		136℃ 168H
After Aging	(kgf／m㎡) Average Tensile Strength	≥70%
	Average Elongation	≥45%

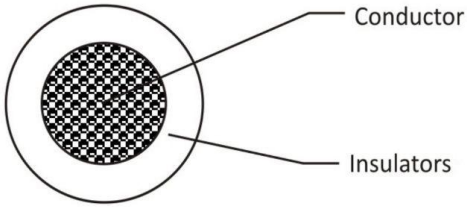


AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm)	Diameter（mm）	Tolerance（mm)	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
32	Tinned Copper	7/0.08±0.008	0.240	≤13	0.180	0.160	0.60	±0.05	≤550	0.35
30	Tinned Copper	7/0.10±0.008	0.300	≤13	0.200	0.180	0.70	±0.05	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.360	≤13	0.240	0.210	0.84	±0.10	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.480	≤15	0.260	0.230	1.00	±0.10	≤150	1.40
24	Tinned Copper	11/0.16±0.008	0.610	≤18	0.245	0.210	1.10	±0.10	≤94.2	2.20
22	Tinned Copper	17/0.16±0.008	0.760	≤20	0.250	0.220	1.26	±0.10	≤59.4	3.40
20	Tinned Copper	21/0.18±0.008	0.942	≤32	0.250	0.220	1.45	±0.10	≤36.7	5.20
18	Tinned Copper	34/0.18±0.008	1.210	≤51	0.245	0.210	1.70	±0.12	≤23.2	8.60
16	Tinned Copper	26/0.254±0.008	1.500	≤51	0.300	0.260	2.10	±0.12	≤14.6	13.10
14	Tinned Copper	41/0.254±0.008	1.880	≤51	0.400	0.370	2.70	±0.12	≤8.96	20.70
12	Tinned Copper	65/0.254±0.008	2.400	≤51	0.400	0.370	3.20	±0.15	≤5.64	32.90

UL3321

Specifications

Insulation Material		XLPE
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		600V AC/750V DC
Nominal Temperature		150℃
KV／min Test Voltage		2KV AC
Flame Test		FT2
Before Aging	(kgf／m㎡ 2) Average Tensile Strength	≥1.406
	Average Elongation	≥300%
Aging Conditions		180℃ 168H
After Aging	(kgf／m㎡) Average Tensile Strength	≥80%
	Average Elongation	≥80%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
30	Tinned Copper	7/0.10±0.008	0.300	≤13	0.762	0.6858	1.85	±0.10	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.360	≤13	0.762	0.6858	1.95	±0.10	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.480	≤15	0.762	0.6858	2.00	±0.10	≤150	1.40
24	Tinned Copper	11/0.16±0.008	0.610	≤18	0.762	0.6858	2.20	±0.12	≤94.2	2.20
22	Tinned Copper	7/0.254±0.008	0.762	≤20	0.762	0.6858	2.35	±0.12	≤59.4	3.40
20	Tinned Copper	21/0.18±0.008	0.950	≤32	0.762	0.6858	2.48	±0.12	≤36.7	5.30
18	Tinned Copper	34/0.18±0.008	1.210	≤51	0.762	0.6858	2.80	±0.12	≤23.2	8.60
16	Tinned Copper	26/0.254±0.008	1.500	≤51	0.762	0.6858	3.10	±0.15	≤14.6	13.10
14	Tinned Copper	41/0.254±0.008	1.880	≤51	0.762	0.6858	3.50	±0.15	≤8.96	20.70
12	Tinned Copper	65/0.254±0.008	2.400	≤51	0.762	0.6858	3.98	±0.20	≤5.64	32.90
10	Tinned Copper	105/0.254±0.008	3.200	≤64	0.762	0.6858	4.80	±0.25	≤3.546	42.50
8	Tinned Copper	165/0.254±0.008	3.800	≤76	1.143	1.0414	6.25	±0.25	≤2.23	58.80
6	Tinned Copper	7*38/0.254±0.008	5.000	≤89	1.143	1.0414	7.50	±0.30	≤1.403	80.80
4	Tinned Copper	7*60/0.254±0.008	6.500	≤102	1.143	1.0414	9.00	±0.40	≤0.882	106.30
2	Tinned Copper	19*35/0.254±0.008	8.300	≤140	1.524	1.3716	11.50	±0.60	≤0.5548	134.70
1	Tinned Copper	19*44/0.254±0.008	9.500	≤160	2.032	1.8288	14.00	±0.80	≤0.4398	169.30
1/0	Tinned Copper	19*55/0.254±0.008	10.500	≤180	2.032	1.8288	15.00	±0.90	≤0.3487	185.20
2/0	Tinned Copper	19*70/0.254±0.008	12.000	≤210	2.032	1.8288	16.50	±1.00	≤0.2776	202.00
3/0	Tinned Copper	19*88/0.254±0.008	13.300	≤250	2.032	1.8288	17.80	±1.20	≤0.2194	254.20
4/0	Tinned Copper	19*111/0.254±0.008	15.300	≤300	2.032	1.8288	20.00	±1.40	≤0.1722	267.00

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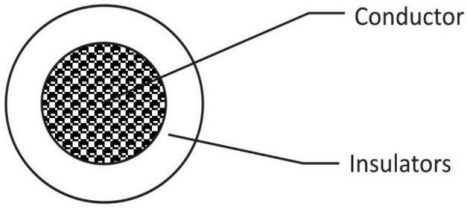
UL3385

Specifications

Insulation Material		XLPE
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		300V AC
Nominal Temperature		105℃
KV／min Test Voltage		1.5KV AC
Flame Test		FT2
Before Aging	(kgf／m㎡ 2) Average Tensile Strength	≥1.05
	Average Elongation	≥150%
Aging Conditions		136℃ 168H
After Aging	(kgf／m㎡) Average Tensile Strength	≥70%
	Average Elongation	≥45%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
32	Tinned Copper	7/0.08±0.008	0.24	≤13	0.381	0.3302	1.00	±0.05	≤550	0.35
30	Tinned Copper	7/0.10±0.008	0.30	≤13	0.381	0.3302	1.10	±0.05	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.36	≤13	0.381	0.3302	1.20	±0.10	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.48	≤15	0.381	0.3302	1.30	±0.10	≤150	1.40
24	Tinned Copper	7/0.20±0.008	0.61	≤18	0.381	0.3302	1.40	±0.10	≤94.2	2.20
22	Tinned Copper	17/0.16±0.008	0.76	≤20	0.381	0.3302	1.60	±0.10	≤59.4	3.40
20	Tinned Copper	21/0.18±0.008	0.95	≤32	0.381	0.3302	1.80	±0.10	≤36.7	5.20
18	Tinned Copper	34/0.18±0.008	1.21	≤51	0.381	0.3302	2.00	±0.12	≤23.2	8.60
16	Tinned Copper	26/0.254±0.008	1.50	≤51	0.381	0.3302	2.33	±0.12	≤14.6	13.10
14	Tinned Copper	41/0.254±0.008	1.88	≤51	0.381	0.3302	2.68	±0.12	≤8.96	20.70
12	Tinned Copper	65/0.254±0.008	2.40	≤51	0.381	0.3302	3.40	±0.15	≤5.64	32.90
10	Tinned Copper	105/0.254±0.008	3.20	≤51	0.381	0.3302	4.50	±0.20	≤3.546	42.50

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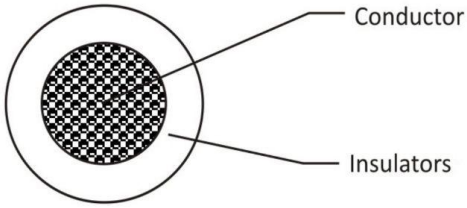
UL3386

Specifications

Insulation Material		XLPE
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		600V AC
Nominal Temperature		105℃
KV／min Test Voltage		2.5KV AC
Flame Test		FT2
Before Aging	(kgf／m㎡ 2) Average Tensile Strength	≥1.05
	Average Elongation	≥150%
Aging Conditions		136℃ 168H
After Aging	(kgf／m㎡) Average Tensile Strength	≥70%
	Average Elongation	≥45%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
30	Tinned Copper	7/0.10±0.008	0.300	≤13	0.762	0.6858	1.85	±0.10	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.360	≤13	0.762	0.6858	1.95	±0.10	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.480	≤15	0.762	0.6858	2.00	±0.10	≤150	1.40
24	Tinned Copper	11/0.16±0.008	0.610	≤18	0.762	0.6858	2.20	±0.12	≤94.2	2.20
22	Tinned Copper	17/0.16±0.008	0.761	≤20	0.762	0.6858	2.38	±0.12	≤59.4	3.40
20	Tinned Copper	21/0.18±0.008	0.950	≤32	0.762	0.6858	2.50	±0.12	≤36.7	5.30
18	Tinned Copper	34/0.18±0.008	1.210	≤51	0.762	0.6858	2.80	±0.12	≤23.2	8.60
16	Tinned Copper	26/0.254±0.008	1.500	≤51	0.762	0.6858	3.10	±0.15	≤14.6	13.10
14	Tinned Copper	41/0.254±0.008	1.880	≤51	0.762	0.6858	3.50	±0.15	≤8.96	20.70
12	Tinned Copper	65/0.254±0.008	2.400	≤51	0.762	0.6858	3.98	±0.20	≤5.64	32.90
10	Tinned Copper	105/0.254±0.008	3.200	≤64	0.762	0.6858	4.60	±0.25	≤3.546	42.50
8	Tinned Copper	165/0.254±0.008	3.800	≤76	1.143	1.0414	6.10	±0.25	≤2.23	58.80
6	Tinned Copper	7*38/0.254±0.008	5.000	≤89	1.524	1.3716	8.20	±0.30	≤1.403	80.80
4	Tinned Copper	7*60/0.254±0.008	6.500	≤102	1.524	1.3716	9.80	±0.40	≤0.882	106.30
2	Tinned Copper	19*35/0.254±0.008	8.300	≤140	1.524	1.3716	11.50	±0.60	≤0.5548	134.70
1	Tinned Copper	19*44/0.254±0.008	9.500	≤160	2.032	1.8288	14.00	±0.80	≤0.4398	169.30
1/0	Tinned Copper	19*55/0.254±0.008	10.500	≤180	2.032	1.8288	15.00	±0.90	≤0.3487	185.20
2/0	Tinned Copper	19*70/0.254±0.008	12.000	≤210	2.032	1.8288	16.50	±1.00	≤0.2776	202.00
3/0	Tinned Copper	19*88/0.254±0.008	13.300	≤250	2.032	1.8288	17.80	±1.20	≤0.2194	254.20
4/0	Tinned Copper	19*111/0.254 ±0.008	15.300	≤300	2.032	1.8288	20.00	±1.40	≤0.1722	267.00

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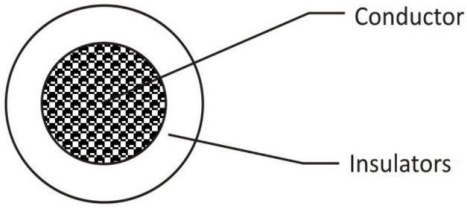
UL3398

Specifications

Insulation Material		XLPE
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		300V AC
Nominal Temperature		150℃
KV／min Test Voltage		2KV AC
Flame Test		FT2
Before Aging	(kgf／m ㎡ 2) Average Tensile Strength	≥1.406
	Average Elongation	≥300%
Aging Conditions		180℃ 168H
After Aging	(kgf／m ㎡) Average Tensile Strength	≥80%
	Average Elongation	≥80%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
32	Tinned Copper	7/0.08±0.008	0.24	≤13	0.381	0.3302	1	±0.10	≤381	0.35
30	Tinned Copper	7/0.10±0.008	0.3	≤13	0.381	0.3302	1.1	±0.10	≤239	0.55
28	Tinned Copper	7/0.127±0.008	0.381	≤13	0.381	0.3302	1.2	±0.10	≤150	0.88
26	Tinned Copper	7/0.16±0.008	0.48	≤15	0.381	0.3302	1.3	±0.10	≤94.2	1.4
24	Tinned Copper	11/0.16±0.008	0.61	≤18	0.381	0.3302	1.4	±0.10	≤59.4	2.2
22	Tinned Copper	17/0.16±0.008	0.76	≤20	0.381	0.3302	1.6	±0.10	≤36.7	3.4
20	Tinned Copper	26/0.16±0.008	0.95	≤32	0.381	0.3302	1.76	±0.10	≤23.2	5.22
18	Tinned Copper	34/0.18±0.008	1.22	≤51	0.381	0.3302	2.1	±0.12	≤14.6	8.64
16	Tinned Copper	26/0.254±0.008	1.5	≤51	0.381	0.3302	2.35	±0.12	≤8.96	13.1
14	Tinned Copper	41/0.254±0.008	1.88	≤51	0.381	0.3302	2.7	±0.12	≤5.64	20.7
12	Tinned Copper	65/0.254±0.008	2.4	≤51	0.381	0.3302	3.4	±0.15	≤3.546	32.9
10	Tinned Copper	105/0.254±0.008	3.2	≤64	0.381	0.3302	4.5	±0.20	≤2.23	42.5

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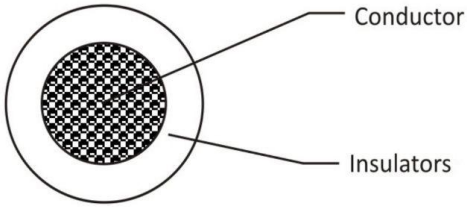
UL3436

Specifications

Insulation Material		XLPE
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		600V AC
Nominal Temperature		125℃
KV／min Test Voltage		2.5KV AC
Flame Test		FT2
Before Aging	(kgf／m ㎡ 2) Average Tensile Strength	≥1.406
	Average Elongation	≥300%
Aging Conditions		158℃ 168H
After Aging	(kgf／m ㎡) Average Tensile Strength	≥80%
	Average Elongation	≥80%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
30	Tinned Copper	7/0.10±0.008	0.300	≤13	0.762	0.6858	1.85	±0.10	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.360	≤13	0.762	0.6858	1.95	±0.10	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.480	≤15	0.762	0.6858	2.00	±0.10	≤150	1.40
24	Tinned Copper	11/0.16±0.008	0.610	≤18	0.762	0.6858	2.20	±0.12	≤94.2	2.20
22	Tinned Copper	17/0.16±0.008	0.761	≤20	0.762	0.6858	2.38	±0.12	≤59.4	3.40
20	Tinned Copper	21/0.18±0.008	0.950	≤32	0.762	0.6858	2.50	±0.12	≤36.7	5.30
18	Tinned Copper	34/0.18±0.008	1.210	≤51	0.762	0.6858	2.80	±0.12	≤23.2	8.60
16	Tinned Copper	26/0.254±0.008	1.500	≤51	0.762	0.6858	3.10	±0.15	≤14.6	13.10
14	Tinned Copper	41/0.254±0.008	1.880	≤51	0.762	0.6858	3.50	±0.15	≤8.96	20.70
12	Tinned Copper	65/0.254±0.008	2.400	≤51	0.762	0.6858	3.98	±0.20	≤5.64	32.90
10	Tinned Copper	105/0.254±0.008	3.200	≤64	0.762	0.6858	4.60	±0.25	≤3.546	42.50
8	Tinned Copper	165/0.254±0.008	3.800	≤76	1.143	1.0414	6.10	±0.25	≤2.23	58.80
6	Tinned Copper	7*38/0.254±0.008	5.000	≤89	1.143	1.0414	7.50	±0.30	≤1.403	80.80
4	Tinned Copper	7*60/0.254±0.008	6.500	≤102	1.143	1.0414	9.00	±0.40	≤0.882	106.30
2	Tinned Copper	19*35/0.254±0.008	8.300	≤140	1.524	1.3716	11.50	±0.60	≤0.5548	134.70
1	Tinned Copper	19*44/0.254±0.008	9.500	≤160	2.032	1.8288	14.00	±0.80	≤0.4398	169.30
1/0	Tinned Copper	19*55/0.254±0.008	10.500	≤180	2.032	1.8288	15.00	±0.90	≤0.3487	185.20
2/0	Tinned Copper	19*70/0.254±0.008	12.000	≤210	2.032	1.8288	16.50	±1.00	≤0.2776	202.00
3/0	Tinned Copper	19*88/0.254±0.008	13.300	≤250	2.032	1.8288	17.80	±1.20	≤0.2194	254.20
4/0	Tinned Copper	19*111/0.254 ±0.008	15.300	≤300	2.032	1.8288	20.00	±1.40	≤0.1722	267.00

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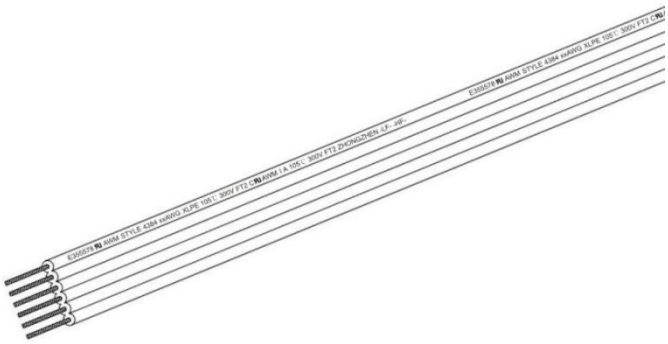
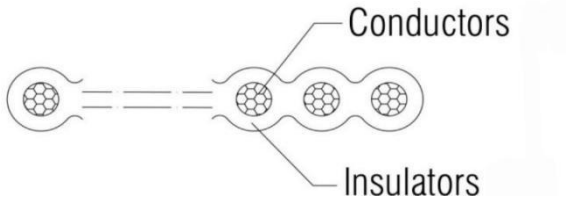
UL4384





Specifications

Insulation Material		XLPE
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		300V AC
Nominal Temperature		105℃
KV／min Test Voltage		2.0KV AC
Flame Test		FT2
Before Aging	(kgf／m ㎡ 2) Average Tensile Strength	≥1.05
	Average Elongation	≥100%
Aging Conditions		136℃ 168H
After Aging	(kgf／m ㎡) Average Tensile Strength	≥70%
	Average Elongation	≥45%

AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm)	Diameter（mm）	Tolerance（mm)	Conductor Resistance at20℃ ohms/km	Nominal Current（A）	AWG
30	Tinned Copper	7/0.10±0.008	0.30	≤13	0.381	0.3302	2--20	1.1#1.1*N	±0.10	≤381	0.55
28	Tinned Copper	7/0.12+0.008	0.36	≤13	0.381	0.3302	2--20	1.2#1.2*N	±0.10	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.48	≤15	0.381	0.3302	2--20	1.3#1.3*N	±0.10	≤150	1.40
24	Tinned Copper	11/0.16±0.008	0.61	≤18	0.381	0.3302	2--20	1.4#1.4*N	±0.10	≤94.2	2.20
22	Tinned Copper	17/0.16±0.008	0.76	≤20	0.381	0.3302	2--15	1.6#1.6*N	±0.10	≤59.4	3.40
20	Tinned Copper	26/0.16±0.008	0.94	≤32	0.381	0.3302	2--15	1.7#1.7*N	±0.10	≤36.7	5.30
18	Tinned Copper	41/0.16±0.008	1.18	≤51	0.381	0.3302	2--15	2.0#2.0*N	±0.12	≤23.2	8.20
16	Tinned Copper	52/0.18±0.008	1.50	≤51	0.381	0.3302	2--10	2.5#2.5*N	±0.12	≤14.6	13.20
14	Tinned Copper	41/0.254±0.008	1.88	≤51	0.381	0.3302	2--10	3.0#3.0*N	±0.15	≤8.96	20.70
12	Tinned Copper	65/0.254±0.008	2.40	≤51	0.381	0.3302	2-8	3.5#3.5*N	±0.15	≤5.64	32.90
10	Tinned Copper	105/0.254±0.008	3.20	≤64	0.381	0.3302	2-8	4.2#4.2*N	±0.20	≤3.546	42.50

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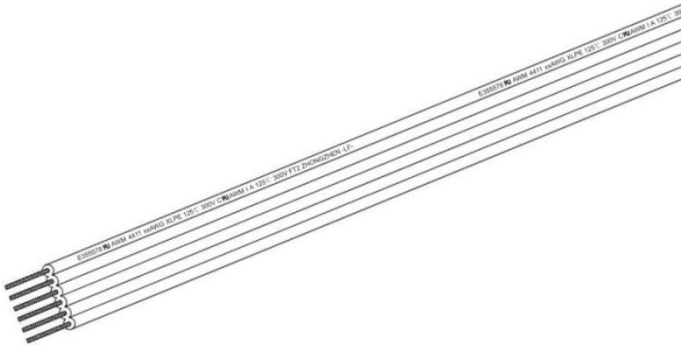

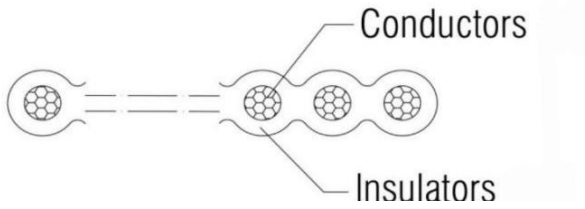

Specifications

Insulation Material		XLPE
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		300V AC
Nominal Temperature		125℃
KV／min Test Voltage		2.0KV AC
Flame Test		FT2
Before Aging	(kgf／m ㎡ 2) Average Tensile Strength	≥1.406
	Average Elongation	≥300%
Aging Conditions		158℃ 168H
After Aging	(kgf／m ㎡) Average Tensile Strength	≥80%
	Average Elongation	≥80%

AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Number of wires	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
32	Tinned Copper	7/0.08±0.008	0.24	≤13	0.381	0.3302	2---6	1.0#1.0*N	±0.10	≤550	0.35
30	Tinned Copper	7/0.10±0.008	0.30	≤13	0.381	0.3302	2---6	1.1#1.1*N	±0.10	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.36	≤13	0.381	0.3302	2---6	1.2#1.2*N	±0.10	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.48	≤15	0.381	0.3302	2---6	1.3#1.3*N	±0.10	≤150	1.40
24	Tinned Copper	11/0.16±0.008	0.61	≤18	0.381	0.3302	2---6	1.4#1.4*N	±0.10	≤94.2	2.20
22	Tinned Copper	17/0.16±0.008	0.76	≤20	0.381	0.3302	2---6	1.6#1.6*N	±0.10	≤59.4	3.40
20	Tinned Copper	26/0.16±0.008	0.94	≤32	0.381	0.3302	2---6	1.7#1.7*N	±0.10	≤36.7	5.30
18	Tinned Copper	41/0.16±0.008	1.18	≤51	0.381	0.3302	2---6	2.0#2.0*N	±0.12	≤23.2	8.20
16	Tinned Copper	52/0.18±0.008	1.50	≤51	0.381	0.3302	2---6	2.5#2.5*N	±0.12	≤14.6	13.20
14	Tinned Copper	41/0.254±0.008	1.88	≤51	0.381	0.3302	2---6	3.0#3.0*N	±0.15	≤8.96	20.70
12	Tinned Copper	65/0.254±0.008	2.40	≤51	0.381	0.3302	2---6	3.5#3.5*N	±0.15	≤5.64	32.90
10	Tinned Copper	105/0.254±0.008	3.20	≤64	0.381	0.3302	2---6	4.2#4.2*N	±0.20	≤3.546	42.50

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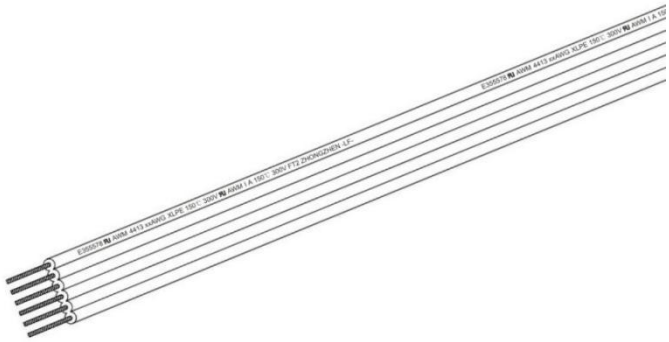

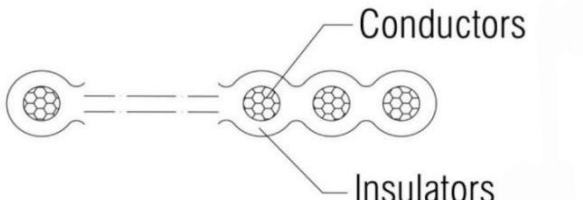

Specifications

Insulation Material		XLPE
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		300V AC
Nominal Temperature		150℃
KV／min Test Voltage		2.0KV AC
Flame Test		FT2
Before Aging	(kgf／m ㎡ 2) Average Tensile Strength	≥1.406
	Average Elongation	≥300%
Aging Conditions		180℃ 168H
After Aging	(kgf／m ㎡) Average Tensile Strength	≥80%
	Average Elongation	≥80%

AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm)	Number of wires	Diameter（mm）	Tolerance（mm)	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
32	Tinned Copper	7/0.08±0.008	0.24	≤13	0.381	0.3302	2-6	1.0#1.0*N	±0.10	≤550	0.35
30	Tinned Copper	7/0.10±0.008	0.30	≤13	0.381	0.3302	2-6	1.1#1.1*N	±0.10	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.36	≤13	0.381	0.3302	2-6	1.2#1.2*N	±0.10	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.48	≤15	0.381	0.3302	2-6	1.3#1.3*N	±0.10	≤150	1.40
24	Tinned Copper	11/0.16±0.008	0.61	≤18	0.381	0.3302	2-6	1.4#1.4*N	±0.10	≤94.2	2.20
22	Tinned Copper	17/0.16±0.008	0.76	≤20	0.381	0.3302	2-6	1.6#1.6*N	±0.10	≤59.4	3.40
20	Tinned Copper	26/0.16±0.008	0.94	≤32	0.381	0.3302	2-6	1.7#1.7*N	±0.10	≤36.7	5.30
18	Tinned Copper	41/0.16±0.008	1.18	≤51	0.381	0.3302	2-6	2.0#2.0*N	±0.12	≤23.2	8.20
16	Tinned Copper	52/0.18±0.008	1.50	≤51	0.381	0.3302	2-6	2.5#2.5*N	±0.12	≤14.6	13.20

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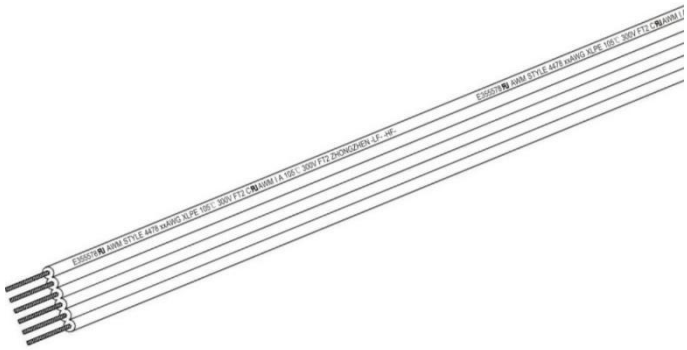
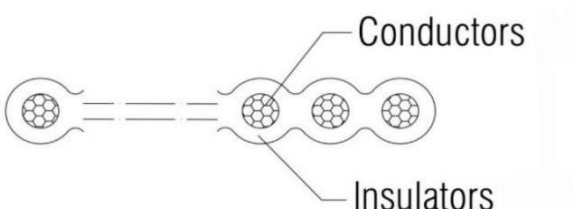


Specifications

Insulation Material		XLPE
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		300V AC
Nominal Temperature		105℃
KV／min Test Voltage		2.0KV AC
Flame Test		FT2
Before Aging	(kgf／m ㎡ 2) Average Tensile Strength	≥1.05
	Average Elongation	≥150%
Aging Conditions		136℃ 168H
After Aging	(kgf／m ㎡) Average Tensile Strength	≥70%
	Average Elongation	≥45%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Number of wires	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
32	Tinned Copper	7/0.08±0.008	0.24	≤13	0.2286	0.2032	2---20	0.7#0.7*N	±0.10	≤550	0.35
30	Tinned Copper	7/0.10±0.008	0.30	≤13	0.2286	0.2032	2---20	0.8#0.8*N	±0.10	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.36	≤13	0.2286	0.2032	2---20	N+6'0#6'0	±0.10	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.48	≤15	0.2286	0.2032	2---20	1.0#1.0*N	±0.10	≤150	1.40
24	Tinned Copper	11/0.16±0.008	0.61	≤18	0.2286	0.2032	2---20	1.1#1.1*N	±0.10	≤94.2	2.20
22	Tinned Copper	17/0.16±0.008	0.76	≤20	0.2286	0.2032	2---20	1.3#1.3*N	±0.10	≤59.4	3.40
20	Tinned Copper	26/0.16±0.008	0.94	≤32	0.2286	0.2032	2---15	1.4#1.4*N	±0.10	≤36.7	5.30
18	Tinned Copper	41/0.16±0.008	1.18	≤51	0.2286	0.2032	2---15	1.7#1.7*N	±0.12	≤23.2	8.20
16	Tinned Copper	52/0.18±0.008	1.50	≤51	0.2286	0.2032	2---10	2.0#2.0*N	±0.12	≤14.6	13.20
14	Tinned Copper	41/0.254±0.008	1.88	≤51	0.2286	0.2032	2---10	2.5#2.5*N	±0.15	≤8.96	20.70
12	Tinned Copper	65/0.254±0.008	2.40	≤51	0.2286	0.2032	2---7	3.0#3.0N	±0.15	≤5.64	32.90
10	Tinned Copper	105/0.254±0.008	3.20	≤64	0.2286	0.2032	2---6	4.2#4.2*N	±0.15	≤3.546	42.50

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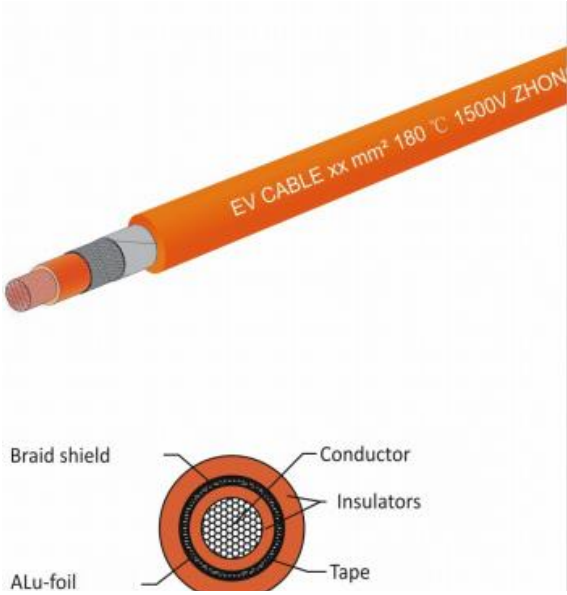
EV-XLPE

Specifications

Insulation Material	XLPE
Conductor	Tinned Copper/Copper
Color	Optional
Nominal Voltage	1000V AC/1500V DC
Nominal Temperature	-40℃~125℃
Test Voltage(QC/T-1037-20154.10.3):	AC.6KV/5min
Spark test(QC/T-1037-2016 4.5.3):	8KV
Short term ageing ISO6722-1:20115.14:	150℃(240h)
Long term ageing ISO6722-1:20115.13:	125℃(3000h)

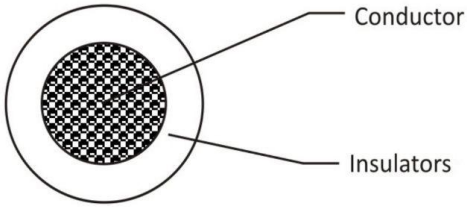


Cross-section mm²	Construction AWG	Diam of Strands	Insul. Diameter（mm）	Nominal Thickness (mm)	Minimum Thickness（mm）	Shielding			Outer diameter of sheath	Nominal Thickness（mm）	Minimum Thickness（mm）	Conductor Resistance at20℃ ohms/km	Shield Resistance Ref ohms/km
						Single Wire Diamete（mm）	Coverage Min	Al-Film Min					
2.5	80/0.20±0.008	2.20	3.30±0.2	0.5	0.4	0.12	85%	20	5.2±0.2	0.6	0.5	≤7.6	≤24.02
4	130/0.20±0.008	2.90	4.10±0.2	0.5	0.4	0.12	85%	20	5.8±0.2	0.6	0.5	≤4.71	≤14.9
6	196/0.20±0.008	3.30	4.80±0.2	0.6	0.48	0.12	85%	20	6.7±0.2	0.6	0.5	≤3.14	≤13.7
10	324/0.20±0.008	4.30	6.25±0.2	0.8	0.64	0.12	85%	20	8.6±0.2	0.8	0.65	≤1.82	≤9.9
16	513/0.20±0.008	5.60	8.10±0.2	1.0	0.8	0.15	85%	20	11.2±0.3	1.2	0.9	≤1.16	≤8.4
25	798/0.20±0.008	7.00	10.20±0.2	1.3	1.04	0.15	85%	20	13.9±0.3	1.5	1.2	≤0.743	≤5.1
35	1121/0.20±0.008	8.40	11.50±0.3	1.3	1.04	0.15	85%	20	14.5±0.5	1.5	1.2	≤0.527	≤4.4
50	1596/0.20±0.008	9.80	13.60±0.3	1.5	1.2	0.15	85%	20	17.0±0.5	1.4	1.1	≤0.368	≤3.8
70	2233/0.20±0.008	12.10	15.50±0.3	1.5	1.2	0.15	85%	20	19.5±0.5	1.6	1.3	≤0.259	≤3.2
95	3040/0.20±0.008	13.80	18.20±0.3	1.8	1.44	0.15	85%	20	22.6±0.6	1.8	1.5	≤0.196	≤2.2
120	3829/0.20±0.008	15.70	20.20±0.3	2.2	1.76	0.15	85%	20	24.6±0.7	1.8	1.5	≤0.153	≤2.0

UL1007

Specifications

Insulation Material		PVC
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		300V AC
Nominal Temperature		80℃
KV／min Test Voltage		2.0KV AC
Flame Test		VW-1
Before Aging	(kgf／m㎡ 2) Average Tensile Strength	≥1.05
	Average Elongation	≥100%
Aging Conditions		113℃ 168H
After Aging	(kgf／m㎡) Average Tensile Strength	≥70%
	Average Elongation	≥45%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm)	Diameter（mm）	Tolerance（mm)	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
32	Tinned Copper	7/0.08±0.008	0.240	≤13	0.381	0.3302	1.00	±0.10	≤550	0.35
30	Tinned Copper	7/0.10±0.008	0.300	≤13	0.381	0.3302	1.10	±0.10	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.360	≤13	0.381	0.3302	1.20	±0.10	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.480	≤15	0.381	0.3302	1.30	±0.10	≤150	1.4
24	Tinned Copper	11/0.16±0.008	0.610	≤18	0.381	0.3302	1.40	±0.10	≤94.2	2.2
22	Tinned Copper	17/0.16±0.008	0.760	≤20	0.381	0.3302	1.60	±0.10	≤59.4	3.4
20	Tinned Copper	26/0.16±0.008	0.942	≤32	0.381	0.3302	1.80	±0.10	≤36.7	5.2
18	Tinned Copper	41/0.16±0.008	1.180	≤51	0.381	0.3302	2.10	±0.12	≤23.2	8.23
16	Tinned Copper	26/0.254±0.008	1.500	≤51	0.381	0.3302	2.35	±0.12	≤14.6	13.1

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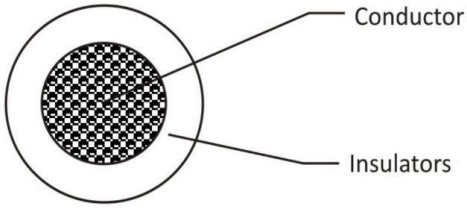
UL1015

Specifications

Insulation Material		PVC
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		600V AC
Nominal Temperature		105℃
KV／min Test Voltage		3.0KV AC
Flame Test		VW-1
Before Aging	(kgf／m㎡ 2) Average Tensile Strength	≥1.05
	Average Elongation	≥100%
Aging Conditions		136℃ 168H
After Aging	(kgf／m㎡) Average Tensile Strength	≥70%
	Average Elongation	≥45%

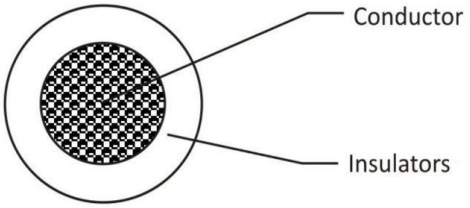


AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness (mm)	Minimum Thickness At Any Point (mm)	Diameter (mm)	Tolerance (mm)	Conductor Resistance at20℃ ohms/km	Nominal Current (A)
30	Tinned Copper	7/0.10±0.008	0.300	≤13	0.762	0.6858	1.85	±0.10	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.360	≤13	0.762	0.6858	1.90	±0.10	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.480	≤15	0.762	0.6858	2.00	±0.10	≤150	1.40
24	Tinned Copper	11/0.16±0.008	0.612	≤18	0.762	0.6858	2.20	±0.12	≤94.2	2.20
22	Tinned Copper	17/0.16±0.008	0.761	≤20	0.762	0.6858	2.25	±0.12	≤59.4	3.40
20	Tinned Copper	26/0.16±0.008	0.942	≤32	0.762	0.6858	2.50	±0.12	≤36.7	5.20
18	Tinned Copper	41/0.16±0.008	1.180	≤51	0.762	0.6858	2.75	±0.12	≤23.2	8.20
16	Tinned Copper	26/0.254±0.008	1.500	≤51	0.762	0.6858	3.05	±0.15	≤14.6	13.10
14	Tinned Copper	41/0.254±0.008	1.880	≤51	0.762	0.6858	3.50	±0.15	≤8.96	20.70
12	Tinned Copper	65/0.254±0.008	2.400	≤51	0.762	0.6858	4.00	±0.20	≤5.64	32.90
10	Tinned Copper	105/0.254±0.008	3.000	≤64	0.762	0.6858	5.00	±0.20	≤3.546	42.50
8	Tinned Copper	165/0.254±0.008	3.800	≤76	1.143	1.016	6.10	±0.25	≤2.23	58.80
6	Tinned Copper	7*38/0.254±0.008	5.000	≤89	1.524	1.3716	8.70	±0.30	≤1.403	80.80
4	Tinned Copper	7*60/0.254±0.008	6.500	≤102	1.524	1.3716	9.50	±0.40	≤0.882	106.30
2	Tinned Copper	19*35/0.254±0.008	8.300	≤140	1.524	1.3716	11.50	±0.60	≤0.5548	134.70
1	Tinned Copper	19*44/0.254±0.008	9.500	≤160	2.032	1.8288	13.50	±0.80	≤0.4398	169.30
1/0	Tinned Copper	19*55/0.254±0.008	10.500	≤180	2.032	1.8288	15.00	±1.0	≤0.3487	185.20
2/0	Tinned Copper	19*70/0.254±0.008	12.000	≤210	2.032	1.8288	16.00	±1.2	≤0.2776	202.00
3/0	Tinned Copper	19*88/0.254±0.008	13.300	≤250	2.032	1.8288	17.80	±1.3	≤0.2194	254.20
4/0	Tinned Copper	19*111/0.254 ±0.008	15.300	≤300	2.032	1.8288	20.00	±1.5	≤0.1722	267.00

UL1061

Specifications

Insulation Material		SR PVC
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		300V AC
Nominal Temperature		80℃
KV／min Test Voltage		2.0KV AC
Flame Test		VW-1
Before Aging	(kgf／m㎡ 2) Average Tensile Strength	≥2.11
	Average Elongation	≥100%
Aging Conditions		113℃ 168H
After Aging	(kgf／m㎡) Average Tensile Strength	≥70%
	Average Elongation	≥70%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
30	Tinned Copper	7/0.10±0.008	0.300	≤13	0.2286	0.1778	0.80	±0.10	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.360	≤13	0.2286	0.1778	0.90	±0.10	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.480	≤15	0.2286	0.1778	1.00	±0.10	≤150	1.4
24	Tinned Copper	11/0.16±0.008	0.610	≤18	0.2286	0.1778	1.10	±0.10	≤94.2	2.2
22	Tinned Copper	17/0.16±0.008	0.760	≤20	0.2286	0.1778	1.25	±0.10	≤59.4	3.4
20	Tinned Copper	26/0.16±0.008	0.942	≤32	0.2286	0.1778	1.45	±0.10	≤36.7	5.2
18	Tinned Copper	34/0.18±0.008	1.210	≤51	0.2286	0.1778	1.80	±0.10	≤23.2	8.6
16	Tinned Copper	26/0.254±0.008	1.500	≤51	0.2286	0.1778	2.05	±0.12	≤14.6	13.1
14	Tinned Copper	41/0.254±0.008	1.880	≤51	0.2286	0.1778	2.50	±0.12	≤8.96	20.7

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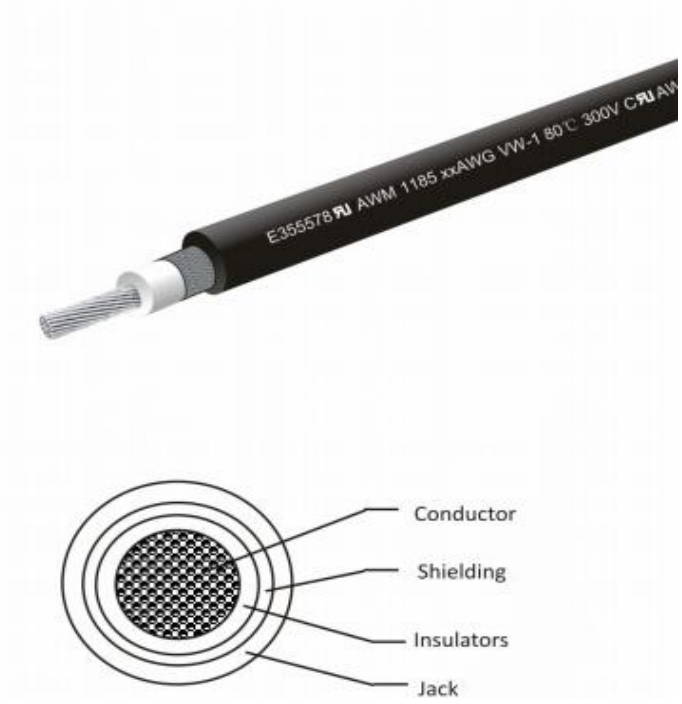
UL1185

Specifications

Insulation Material		PVC
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		300V AC
Nominal Temperature		80℃
KV／min Test Voltage		2KV AC
Flame Test		VW-1
Before Aging	(kgf／m㎡) Average Tensile Strength	≥1.05
	Average Elongation	≥100%
Aging Conditions		113℃ 168H
After Aging	(kgf／m㎡) Average Tensile Strength	≥70%
	Average Elongation	≥45%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Diameter（mm）	Shiielding Covergage (Min)	Min Average Thickness (mm)	Mininmum Thickness At Any Point (mm)	Diameter (mm)	Conductor Resistance at 20℃ ohms/km	Nominal Current
30	Tinned Copper	7/0.10±0.008	0.300	≤13	0.381	0.3302	1.1±0.1	70%	0.381	0.3048	2.40±0.12	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.360	≤13	0.381	0.3302	1.2±0.1	70%	0.381	0.3048	2.50±0.12	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.480	≤15	0.381	0.3302	1.3±0.1	70%	0.381	0.3048	2.60±0.12	≤150	1.40
24	Tinned Copper	11/0.16±0.008	0.610	≤18	0.381	0.3302	1.4±0.1	70%	0.381	0.3048	2.70±0.12	≤94.2	2.20
22	Tinned Copper	17/0.16±0.008	0.760	≤20	0.381	0.3302	1.6±0.1	70%	0.381	0.3048	2.80±0.12	≤59.4	3.40
20	Tinned Copper	26/0.16±0.008	0.940	≤32	0.381	0.3302	1.8±0.1	70%	0.381	0.3048	3.0±0.15	≤36.7	5.20
18	Tinned Copper	34/0.18±0.008	1.210	≤51	0.381	0.3302	2.0±0.12	70%	0.381	0.3048	3.2±0.15	≤23.2	8.60
16	Tinned Copper	26/0.254±0.008	1.510	≤51	0.381	0.3302	2.3±0.12	70%	0.381	0.3048	3.5±0.15	≤14.6	13.10
14	Tinned Copper	41/0.254±0.008	1.880	≤51	0.762	0.6858	3.5±0.15	70%	0.762	0.6096	5.6±0.20	≤8.96	20.70
12	Tinned Copper	65/0.254±0.008	2.400	≤51	0.762	0.6858	4.0±0.20	70%	0.762	0.6096	6.2±0.25	≤5.64	32.90
10	Tinned Copper	105/0.254±0.008	3.200	≤64	0.762	0.6858	5.0±0.20	70%	0.762	0.6096	7.2±0.28	≤3.546	42.50
8	Tinned Copper	165/0.254±0.008	3.800	≤76	1.143	1.016	6.1±0.25	70%	0.762	0.6096	8.5±0.30	≤2.23	58.80
6	Tinned Copper	7*38/0.254±0.008	5.000	≤89	1.524	1.3716	8.7±0.30	70%	0.762	0.6096	11±0.50	≤1.403	80.80
4	Tinned Copper	7*60/0.254±0.008	6.500	≤102	1.524	1.3716	9.6±0.40	70%	0.762	0.6096	12±0.60	≤0.882	106.30

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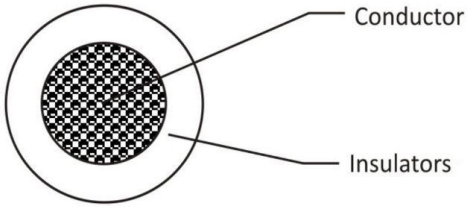
UL1283

Specifications

Insulation Material		PVC
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		600V AC
Nominal Temperature		105℃
KV／min Test Voltage		2KV AC
Flame Test		VW-1
Before Aging	(kgf／m㎡ 2) Average Tensile Strength	≥1.05
	Average Elongation	≥100%
Aging Conditions		136℃ 168H
After Aging	(kgf／m㎡) Average Tensile Strength	≥70%
	Average Elongation	≥45%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
8	Tinned Copper	658/0.127±0.008	3.80	≤76	1.524	1.3716	7.00	±0.20	≤2.23	58.30
6	Tinned Copper	1050/0.127±0.008	5.00	≤89	1.524	1.3716	8.50	±0.30	≤1.403	79.70
4	Tinned Copper	1666/0.127±0.008	6.00	≤102	1.524	1.3716	10.00	±0.50	≤0.882	105.40
2	Tinned Copper	2646/0.127±0.008	8.00	≤140	1.524	1.3716	11.80	±0.60	≤0.5548	134.00

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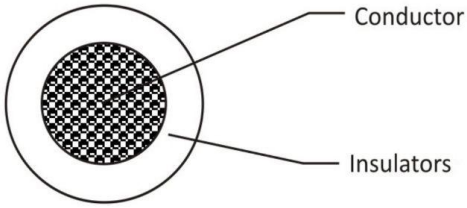
UL1569

Specifications

Insulation Material		PVC
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		300V AC
Nominal Temperature		105℃
KV／min Test Voltage		2KV AC
Flame Test		VW-1
Before Aging	(kgf／m㎡ 2) Average Tensile Strength	≥1.05
	Average Elongation	≥100%
Aging Conditions		136℃ 168H
After Aging	(kgf／m㎡) Average Tensile Strength	≥70%
	Average Elongation	≥45%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
30	Tinned Copper	7/0.10±0.008	0.30	≤13	0.381	0.3302	1.10	±0.10	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.36	≤13	0.381	0.3302	1.20	±0.10	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.48	≤15	0.381	0.3302	1.30	±0.10	≤150	1.40
24	Tinned Copper	7/0.20±0.008	0.60	≤18	0.381	0.3302	1.40	±0.10	≤94.2	2.20
22	Tinned Copper	17/0.16±0.008	0.76	≤20	0.381	0.3302	1.55	±0.10	≤59.4	3.40
20	Tinned Copper	26/0.16±0.008	0.94	≤32	0.381	0.3302	1.80	±0.10	≤36.7	5.20
18	Tinned Copper	41/0.16±0.008	1.18	≤51	0.381	0.3302	1.95	±0.12	≤23.2	8.23
16	Tinned Copper	26/0.254±0.008	1.50	≤51	0.381	0.3302	2.30	±0.12	≤14.6	13.10
14	Tinned Copper	41/0.254±0.008	1.88	≤51	0.381	0.3302	2.75	±0.12	≤8.96	20.70
12	Tinned Copper	65/0.254±0.008	2.40	≤51	0.381	0.3302	3.20	±0.15	≤5.64	32.90
10	Tinned Copper	105/0.254±0.008	3.00	≤64	0.381	0.3302	4.20	±0.20	≤3.546	42.50
8	Tinned Copper	165/0.254±0.008	3.80	≤76	0.762	0.6858	5.50	±0.25	≤2.23	58.40
6	Tinned Copper	7*38/0.254±0.008	5.00	≤89	0.762	0.6858	6.80	±0.30	≤1.403	80.80
4	Tinned Copper	7*60/0.254±0.008	6.50	≤102	0.762	0.6858	8.50	±0.50	≤0.882	106.30
2	Tinned Copper	19*35/0.254±0.008	8.30	≤140	0.762	0.6858	10.50	±0.70	≤0.5548	134.70

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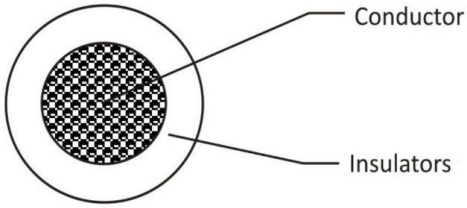
UL1571

Specifications

Insulation Material		PVC
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		30V AC
Nominal Temperature		80℃
KV／min Test Voltage		500V AC
Flame Test		VW-1
Before Aging	(kgf／m㎡ 2) Average Tensile Strength	≥1.05
	Average Elongation	≥100%
Aging Conditions		113℃ 168H
After Aging	(kgf／m㎡) Average Tensile Strength	≥70%
	Average Elongation	≥45%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
32	Tinned Copper	7/0.08±0.008	0.240	≤13	0.155	0.125	0.55	±0.05	≤550	0.35
30	Tinned Copper	7/0.10±0.008	0.300	≤13	0.15	0.12	0.60	±0.05	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.360	≤13	0.27	0.24	0.90	±0.10	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.480	≤15	0.26	0.22	1.00	±0.10	≤150	1.4
24	Tinned Copper	11/0.16±0.008	0.610	≤18	0.245	0.2	1.10	±0.10	≤94.2	2.2
22	Tinned Copper	17/0.16±0.008	0.760	≤20	0.27	0.23	1.30	±0.10	≤59.4	3.4
20	Tinned Copper	26/0.16±0.008	0.942	≤32	0.275	0.235	1.50	±0.10	≤36.7	5.2
18	Tinned Copper	41/0.16±0.008	1.180	≤51	0.31	0.27	1.80	±0.12	≤23.2	8.23
16	Tinned Copper	26/0.254±0.008	1.500	≤51	0.3	0.26	2.10	±0.12	≤14.6	13.1

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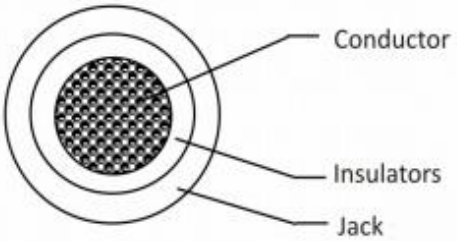
UL1617

Specifications

Insulation Material		PVC
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		600V AC
Nominal Temperature		105℃
KV／min Test Voltage		2KV AC
Flame Test		VW-1
Before Aging	(kgf／m㎡ 2) Average Tensile Strength	≥1.05
	Average Elongation	≥100%
Aging Conditions		136℃ 168H
After Aging	(kgf／m㎡) Average Tensile Strength	≥70%
	Average Elongation	≥45%

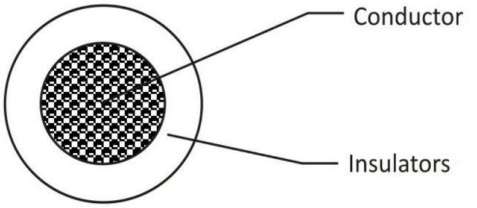


AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point (mm)	Diameter（mm）	Min Average Thickness（mm）	Minimum Thickness At Any Point (mm)	Diameter（mm）	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
30	Tinned Copper	7/0.10±0.008	0.300	≤13	0.381	0.3302	1.1±0.1	0.381	0.3048	1.90±0.10	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.360	≤13	0.381	0.3302	1.2±0.1	0.381	0.3048	2.0±0.12	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.480	≤15	0.381	0.3302	1.3±0.1	0.381	0.3048	2.10±0.12	≤150	1.40
24	Tinned Copper	11/0.16±0.008	0.610	≤18	0.381	0.3302	1.4±0.1	0.381	0.3048	2.20±0.12	≤94.2	2.20
22	Tinned Copper	17/0.16±0.008	0.760	≤20	0.381	0.3302	1.6±0.1	0.381	0.3048	2.40±0.12	≤59.4	3.40
20	Tinned Copper	26/0.16±0.008	0.940	≤32	0.381	0.3302	1.8±0.1	0.381	0.3048	2.60±0.12	≤36.7	5.20
18	Tinned Copper	34/0.18±0.008	1.210	≤51	0.381	0.3302	2.0±0.12	0.381	0.3048	2.80±0.12	≤23.2	8.60
16	Tinned Copper	26/0.254±0.008	1.510	≤51	0.381	0.3302	2.3±0.12	0.381	0.3048	3.20±0.15	≤14.6	13.10
14	Tinned Copper	41/0.254±0.008	1.880	≤51	0.762	0.6858	3.5±0.15	0.762	0.6096	5.20±0.20	≤8.96	20.70
12	Tinned Copper	65/0.254±0.008	2.400	≤51	0.762	0.6858	4.0±0.20	0.762	0.6096	5.60±0.20	≤5.64	32.90
10	Tinned Copper	105/0.254±0.008	3.200	≤64	0.762	0.6858	5.0±0.20	0.762	0.6096	6.60±0.25	$3.546	42.50
8	Tinned Copper	165/0.254±0.008	3.800	≤76	1.143	1.016	6.1±0.25	0.762	0.6096	7.80±0.30	≤2.23	58.80
6	Tinned Copper	7*38/0.254±0.008	5.000	≤89	1.524	1.3716	8.7±0.30	0.762	0.6096	10.5±0.50	≤1.403	80.80
4	Tinned Copper	7*60/0.254±0.008	6.500	≤102	1.524	1.3716	9.6±0.40	0.762	0.6096	11.5±0.60	≤0.882	106.30

UL10017

Specifications

Insulation Material		PVC
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		600V AC
Nominal Temperature		105℃
KV／min Test Voltage		2.5KV
Flame Test		VW-1
Before Aging	(kgf／m㎡) Average Tensile Strength	≥1.05
	Average Elongation	≥100%
Aging Conditions		136℃ 168H
After Aging	(kgf／m㎡) Average Tensile Strength	≥70%
	Average Elongation	≥45%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
18	Tinned Copper	41/0.16±0.008	1.18	≤51	0.762	0.6858	2.75	±0.12	≤23.2	8.23
16	Tinned Copper	26/0.254±0.008	1.50	≤51	0.762	0.6858	3.10	±0.15	≤14.6	13.10
14	Tinned Copper	168/0.127±0.008	1.90	≤51	0.762	0.6858	3.60	±0.15	≤8.96	21.27
12	Tinned Copper	259/0.127±0.008	2.40	≤51	0.762	0.6858	4.20	±0.15	≤5.64	32.70
10	Tinned Copper	413/0.127±0.008	3.00	≤64	0.762	0.6858	4.90	±0.15	≤3.546	41.80
8	Tinned Copper	658/0.127±0.008	3.80	≤76	1.143	0.9144	6.60	±0.20	≤2.23	58.30
6	Tinned Copper	1050/0.127±0.008	5.00	≤89	1.524	1.3716	8.50	±0.30	≤1.403	79.70
4	Tinned Copper	1666/0.127±0.008	6.00	≤102	1.524	1.3716	10.00	±0.50	≤0.882	105.40
2	Tinned Copper	2646/0.127±0.008	8.00	≤140	1.524	1.3716	11.80	±0.60	≤0.5548	134.00
1	Tinned Copper	3283/0.127±0.008	8.60	≤160	2.032	1.8288	14.00	±0.90	≤0.4398	166.20
1/0	Tinned Copper	4144/0.127±0.008	9.60	≤180	2.032	1.8288	14.70	±0.90	≤0.3487	183.60
2/0	Tinned Copper	5225/0.127±0.008	10.80	≤210	2.032	1.8288	17.20	±1.3	≤0.2766	198.40
3/0	Tinned Copper	6593/0.127±0.008	12.00	≤250	2.032	1.8288	19.00	±1.5	≤0.2194	208.70
4/0	Tinned Copper	8322/0.127±0.008	13.50	≤300	2.032	1.8288	20.80	±1.6	≤0.1722	263.40

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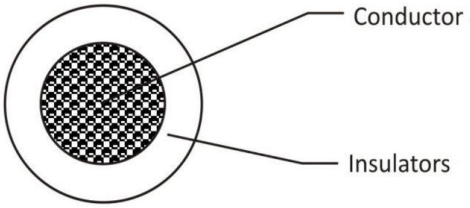
UL10269

Specifications

Insulation Material		PVC
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		1000V AC/ 1250V DC
Nominal Temperature		105℃
KV／min Test Voltage		3.0KV
Flame Test		VW-1
Before Aging	(kgf／m ㎡ 2) Average Tensile Strength	≥1.05
	Average Elongation	≥100%
Aging Conditions		136℃ 168H
After Aging	(kgf／m ㎡) Average Tensile Strength	≥70%
	Average Elongation	≥45%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
30	Tinned Copper	7/0.10±0.008	0.30	≤13	0.762	0.6858	1.85	±0.10	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.36	≤13	0.762	0.6858	1.90	±0.10	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.48	≤15	0.762	0.6858	2.10	±0.12	≤150	1.40
24	Tinned Copper	11/0.16±0.008	0.61	≤18	0.762	0.6858	2.20	±0.12	≤94.2	2.20
22	Tinned Copper	17/0.16±0.008	0.76	≤20	0.762	0.6858	2.28	±0.12	≤59.4	3.40
20	Tinned Copper	26/0.16±0.008	0.94	≤32	0.762	0.6858	2.50	±0.12	≤36.7	5.20
18	Tinned Copper	41/0.16±0.008	1.18	≤51	0.762	0.6858	2.70	±0.12	≤23.2	8.23
16	Tinned Copper	26/0.254±0.008	1.50	≤51	0.762	0.6858	3.02	±0.15	≤14.6	13.10
14	Tinned Copper	168/0.127±0.008	1.90	≤51	0.762	0.6858	3.60	±0.15	≤8.96	21.27
12	Tinned Copper	259/0.127±0.008	2.40	≤51	0.762	0.6858	4.20	±0.15	≤5.64	32.70
10	Tinned Copper	413/0.127±0.008	3.00	≤64	0.762	0.6858	4.90	±0.15	≤3.546	41.80
8	Tinned Copper	658/0.127±0.008	3.80	≤76	1.143	0.9144	6.60	±0.20	≤2.23	58.30
6	Tinned Copper	1050/0.127±0.008	5.00	≤89	1.524	1.3716	8.50	±0.30	≤1.403	79.70
4	Tinned Copper	1666/0.127±0.008	6.00	≤102	1.524	1.3716	10.00	±0.50	≤0.882	105.40
2	Tinned Copper	2646/0.127±0.008	8.00	≤140	1.524	1.3716	11.80	±0.60	≤0.5548	134.00
1	Tinned Copper	3283/0.127±0.008	8.60	≤160	2.032	1.8288	14.00	±0.90	≤0.4398	166.20
1/0	Tinned Copper	4144/0.127±0.008	9.60	≤180	2.032	1.8288	14.70	±0.90	≤0.3487	183.60
2/0	Tinned Copper	5225/0.127±0.008	10.80	≤210	2.032	1.8288	17.20	±1.3	≤0.2766	198.40
3/0	Tinned Copper	6593/0.127±0.008	12.00	≤250	2.032	1.8288	19.00	±1.5	≤0.2194	208.70
4/0	Tinned Copper	8322/0.127±0.008	13.50	≤300	2.032	1.8288	20.80	±1.6	≤0.1722	263.40

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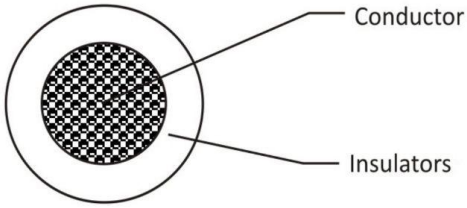
UL11627

Specifications

Insulation Material		PVC
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		2000V AC
Nominal Temperature		105℃
KV／min Test Voltage		5.0KV
Flame Test		VW-1
Before Aging	(kgf／m㎡ 2) Average Tensile Strength	≥1.05
	Average Elongation	≥100%
Aging Conditions		136℃ 168H
After Aging	(kgf／m㎡) Average Tensile Strength	≥70%
	Average Elongation	≥45%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
30	Tinned Copper	7/0.10±0.008	0.30	≤13	0.762	0.6858	1.85	±0.10	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.36	≤13	0.762	0.6858	1.90	±0.10	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.48	≤15	0.762	0.6858	2.10	±0.12	≤150	1.40
24	Tinned Copper	11/0.16±0.008	0.61	≤18	0.762	0.6858	2.20	±0.12	≤94.2	2.20
22	Tinned Copper	17/0.16±0.008	0.76	≤20	0.762	0.6858	2.40	±0.12	≤59.4	3.40
20	Tinned Copper	26/0.16±0.008	0.94	≤32	0.762	0.6858	2.60	±0.12	≤36.7	5.20
18	Tinned Copper	41/0.16±0.008	1.18	≤51	0.762	0.6858	2.80	±0.12	≤23.2	8.23
16	Tinned Copper	26/0.254±0.008	1.50	≤51	0.762	0.6858	3.10	±0.15	≤14.6	13.10
14	Tinned Copper	168/0.127±0.008	1.90	≤51	0.762	0.6858	3.50	±0.15	≤8.96	21.27
12	Tinned Copper	259/0.127±0.008	2.40	≤51	0.762	0.6858	4.00	±0.15	≤5.64	32.70
10	Tinned Copper	413/0.127±0.008	3.00	≤64	0.762	0.6858	4.70	±0.20	≤3.546	41.80
8	Tinned Copper	658/0.127±0.008	3.80	≤76	1.143	1.016	6.50	±0.30	≤2.23	58.30
6	Tinned Copper	1050/0.127±0.008	5.00	≤89	1.524	1.27	8.40	±0.50	≤1.403	79.70
4	Tinned Copper	1666/0.127±0.008	6.00	≤102	1.524	1.27	9.50	±0.60	≤0.882	105.40
2	Tinned Copper	2646/0.127±0.008	8.00	≤140	1.524	1.27	11.50	±0.80	≤0.5548	134.00
1	Tinned Copper	3283/0.127±0.008	8.60	≤160	2.032	1.8288	13.90	±0.90	≤0.4398	166.20
1/0	Tinned Copper	4144/0.127±0.008	9.60	≤180	2.032	1.8288	14.80	±1.0	≤0.3487	183.60
2/0	Tinned Copper	5225/0.127±0.008	10.80	≤210	2.032	1.8288	16.00	±1.1	≤0.2766	198.40
3/0	Tinned Copper	6593/0.127±0.008	12.00	≤250	2.032	1.8288	17.50	±1.2	≤0.2194	208.70
4/0	Tinned Copper	8322/0.127±0.008	13.50	≤300	2.032	1.8288	19.50	±1.4	≤0.1722	263.40

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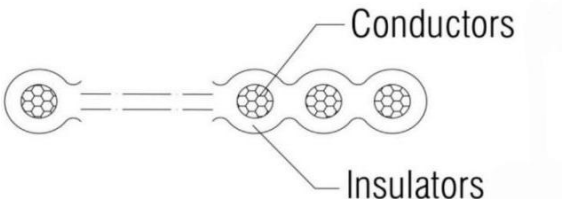
UL2468

Specifications

Insulation Material		PVC
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		300V AC
Nominal Temperature		80℃
KV／min Test Voltage		2.0KV AC
Flame Test		VW-1
Before Aging	(kgf／m ㎡ 2) Average Tensile Strength	≥1.05
	Average Elongation	≥100%
Aging Conditions		113℃ 168H
After Aging	(kgf／m ㎡) Average Tensile Strength	≥70%
	Average Elongation	≥45%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Number of wires	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
32	Tinned Copper	7/0.08±0.008	0.24	≤13	0.381	0.3302	2--15	1.0#1.0*N	±0.10	≤550	0.35
30	Tinned Copper	7/0.10±0.008	0.30	≤13	0.381	0.3302	2--15	1.1#1.1*N	±0.10	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.36	≤13	0.381	0.3302	2--15	1.2#1.2*N	±0.10	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.48	≤15	0.381	0.3302	2--15	1.3#1.3*N	±0.10	≤150	1.40
24	Tinned Copper	11/0.16±0.008	0.61	≤18	0.381	0.3302	2--15	1.4#1.4*N	±0.10	≤94.2	2.20
22	Tinned Copper	17/0.16±0.008	0.76	≤20	0.381	0.3302	2--15	1.6#1.6*N	±0.10	≤59.4	3.40
20	Tinned Copper	26/0.16±0.008	0.94	≤32	0.381	0.3302	2--15	1.7#1.7*N	±0.10	≤36.7	5.30
18	Tinned Copper	41/0.16±0.008	1.18	≤51	0.381	0.3302	2--10	2.0#2.0*N	±0.12	≤23.2	8.20
16	Tinned Copper	52/0.18±0.008	1.50	≤51	0.381	0.3302	2--10	2.5#2.5*N	±0.12	≤14.6	13.20

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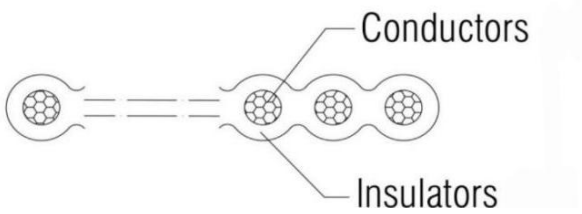
UL2651



Specifications

Insulation Material		PVC
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		300V AC
Nominal Temperature		105℃
KV／min Test Voltage		2.0KV AC
Flame Test		VW-1
Before Aging	(kgf／m ㎡ 2) Average Tensile Strength	≥1.05
	Average Elongation	≥100%
Aging Conditions		113℃ 168H
After Aging	(kgf／m ㎡) Average Tensile Strength	≥70%
	Average Elongation	≥45%

AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Number of wires	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km	Nominal Current（A）
32	Tinned Copper	7/0.08±0.008	0.24	≤13	0.2286	0.178	2---20	0.7#0.7*N	±0.10	≤550	0.35
30	Tinned Copper	7/0.10±0.008	0.30	≤13	0.2286	0.178	2---20	0.8#0.8*N	±0.10	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.36	≤13	0.2286	0.178	2---20	N.6'0#60	±0.10	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.48	≤15	0.2286	0.178	2---20	1.0#1.0*N	±0.10	≤150	1.40
24	Tinned Copper	11/0.16±0.008	0.61	≤18	0.2286	0.178	2---20	1.1#1.1*N	±0.10	≤94.2	2.20
22	Tinned Copper	17/0.16±0.008	0.76	≤20	0.2286	0.178	2---15	1.3#1.3*N	±0.10	≤59.4	3.40
20	Tinned Copper	26/0.16±0.008	0.94	≤32	0.2286	0.178	2---15	1.4#1.4*N	±0.10	≤36.7	5.30
18	Tinned Copper	41/0.16±0.008	1.18	≤51	0.2286	0.178	2---10	1.7#1.7*N	±0.10	≤23.2	8.20
16	Tinned Copper	52/0.18±0.008	1.50	≤51	0.2286	0.178	2---10	2.0#2.0*N	±0.12	≤14.6	13.20
14	Tinned Copper	41/0.254±0.008	1.88	≤51	0.2286	0.178	2---10	2.5#2.5*N	±0.12	≤8.96	20.70

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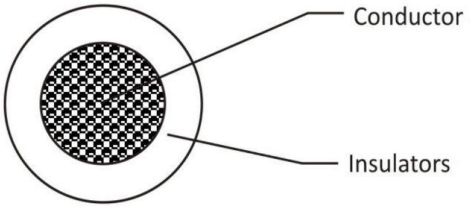
RV

Specifications

Insulation Material		PVC
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		300V/500V or 450V/700V
Nominal Temperature		80℃
KV／min Test Voltage		3.0KV
Flame Test		VW-1
Before Aging	(kgf／m㎡ 2) Average Tensile Strength	≥1.27
	Average Elongation	≥125%
Aging Conditions		80℃ 168H
After Aging	(kgf／m㎡) Average Tensile Strength	≥1.27
	Average Elongation	±20



SQ mm²	Material	Construction AWG	Diam of Strands Ref	Twist Pitch	Nominal thickness (mm)	Upper limit of diameter (mm)	Lower limit of diameter (mm)	Conductor Resistance at20℃ ohms/km	Nominal Current (A)
0.5	Bare Copper	28/0.15±0.008	0.92	≤32	0.6	2.1	2.50	≤36.0	4.9
0.75	Bare Copper	42/0.15±0.008	1.13	≤51	0.6	2.2	2.70	≤24.5	7.4
1.0	Bare Copper	58/0.15±0.008	1.35	≤51	0.6	2.4	2.80	≤18.1	10.0
1.5	Bare Copper	85/0.15±0.008	1.65	≤51	0.7	2.8	3.40	≤12.1	15.0
2.5	Bare Copper	142/0.15±0.008	2.20	≤51	0.8	3.4	4.10	≤7.41	25.0
4	Bare Copper	228/0.15±0.008	2.80	≤51	0.8	3.9	4.80	≤4.61	40.0
6	Bare Copper	343/0.15±0.008	3.30	≤64	0.8	4.4	5.30	≤3.08	48.4
10	Bare Copper	567/0.15±0.008	4.50	≤76	1.0	5.7	6.80	≤1.83	70.0
16	Bare Copper	912/0.15±0.008	5.50	≤89	1.0	6.7	8.10	≤1.15	96.0
25	Bare Copper	1425/0.15±0.008	7.00	≤102	1.2	8.4	10.20	≤0.727	100.0
35	Bare Copper	2000/0.15±0.008	8.00	≤160	1.2	9.7	11.70	≤0.524	125.0
50	Bare Copper	2850/0.15±0.008	10.00	≤170	1.4	11.5	13.90	≤0.387	150.0
70	Bare Copper	3990/0.15±0.008	11.50	≤180	1.4	13.2	16.00	≤0.268	200.0
95	Bare Copper	5396/0.15±0.008	13.50	≤210	1.6	15.1	18.20	≤0.193	250.0
120	Bare Copper	6783/0.15±0.008	16.40	≤230	1.6	16.7	20.20	≤0.153	300.0
150	Bare Copper	8455/0.15±0.008	18.00	≤270	1.8	18.6	22.50	≤0.124	380.0
185	Bare Copper	10470/0.15±0.008	20.00	≤290	2.0	20.6	24.90	≤0.0991	460.0
240	Bare Copper	13566/0.15±0.008	23.20	≤350	2.2	23.5	28.40	s0.0754	500.0

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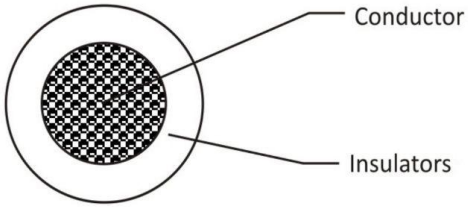
UL1330

Specifications

Insulation Material		FEP
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		600V AC
Nominal Temperature		200℃
KV／min Test Voltage		2.0KV AC
Flame Test		VW-1
Before Aging	(kgf／m㎡ 2) Average Tensile Strength	≥1.75
	Average Elongation	≥200%
Aging Conditions		232℃ 168H
After Aging	(kgf／m㎡) Average Tensile Strength	≥75%
	Average Elongation	≥75%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness (mm)	Minimum Thickness At Any Point (mm)	Number of wires	Diameter (mm)	Tolerance (mm)	Conductor Resistance at20℃ ohms/km
30	Tinned Copper	7/0.10±0.008	0.30	≤13	0.508	0.4572	1.32	±0.10	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.36	≤13	0.508	0.4572	1.38	±0.10	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.48	≤15	0.508	0.4572	1.50	±0.10	≤150	1.40
24	Tinned Copper	7/0.20±0.008	0.60	≤18	0.508	0.4572	1.62	±0.10	≤94.2	2.10
22	Tinned Copper	19/0.15±0.008	0.75	≤20	0.508	0.4572	1.78	±0.10	≤59.4	3.35
20	Tinned Copper	19/0.19±0.008	0.95	≤32	0.508	0.4572	1.98	±0.10	≤36.7	5.38
18	Tinned Copper	19/0.235±0.008	1.18	≤51	0.508	0.4572	2.20	±0.12	≤23.2	8.23
16	Tinned Copper	19/0.30±0.008	1.50	≤51	0.508	0.4572	2.52	±0.12	≤14.6	13.40
14	Tinned Copper	19/0.37±0.01	1.85	≤51	0.508	0.4572	2.88	±0.12	≤8.96	20.30
12	Tinned Copper	19/0.49±0.01	2.45	≤51	0.508	0.4572	3.48	±0.15	≤5.64	35.80
10	Tinned Copper	37/0.43±0.01	3.01	≤64	0.508	0.4572	4.05	±0.20	≤3.546	42.90

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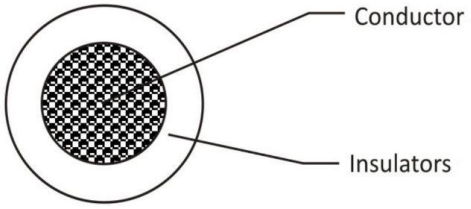
UL1331

Specifications

Insulation Material		FEP
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		600V AC
Nominal Temperature		150℃
KV／min Test Voltage		2.0KV AC
Flame Test		VW-1
Before Aging	(kgf／m㎡) Average Tensile Strength	≥1.75
	Average Elongation	≥200%
Aging Conditions		232℃ 168H
After Aging	(kgf／m㎡) Average Tensile Strength	≥75%
	Average Elongation	≥75%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm)	Number of wires	Diameter（mm）	Tolerance（mm)	Conductor Resistance at20℃ ohms/km
30	Tinned Copper	7/0.10±0.008	0.30	≤13	0.508	0.4572	1.32	±0.10	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.36	≤13	0.508	0.4572	1.38	±0.10	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.48	≤15	0.508	0.4572	1.50	±0.10	≤150	1.40
24	Tinned Copper	7/0.20±0.008	0.60	≤18	0.508	0.4572	1.62	±0.10	≤94.2	2.10
22	Tinned Copper	19/0.15±0.008	0.75	≤20	0.508	0.4572	1.78	±0.10	≤59.4	3.35
20	Tinned Copper	19/0.19±0.008	0.95	≤32	0.508	0.4572	1.98	±0.10	≤36.7	5.38
18	Tinned Copper	19/0.235±0.008	1.18	≤51	0.508	0.4572	2.20	±0.12	≤23.2	8.23
16	Tinned Copper	19/0.30±0.008	1.50	≤51	0.508	0.4572	2.52	±0.12	≤14.6	13.40
14	Tinned Copper	19/0.37±0.01	1.85	≤51	0.508	0.4572	2.88	±0.12	≤8.96	20.30
12	Tinned Copper	19/0.49±0.01	2.45	≤51	0.508	0.4572	3.48	±0.15	≤5.64	35.80
10	Tinned Copper	37/0.43±0.01	3.01	≤64	0.508	0.4572	4.05	±0.20	≤3.546	42.90

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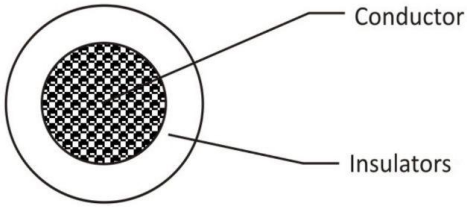
UL1332

Specifications

Insulation Material		FEP
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		300V AC
Nominal Temperature		200℃
KV／min Test Voltage		2.0KV AC
Flame Test		VW-1
Before Aging	(kgf／m㎡ 2) Average Tensile Strength	≥1.75
	Average Elongation	≥200%
Aging Conditions		232℃ 168H
After Aging	(kgf／m㎡) Average Tensile Strength	≥75%
	Average Elongation	≥75%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Number of wires	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km
30	Tinned Copper	7/0.10±0.008	0.300	≤13	0.3302	0.3048	1.00	±0.10	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.360	≤13	0.3302	0.3048	1.02	±0.10	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.480	≤15	0.3302	0.3048	1.14	±0.10	≤150	1.40
24	Tinned Copper	7/0.20±0.008	0.600	≤18	0.3302	0.3048	1.26	±0.10	≤94.2	2.10
22	Tinned Copper	19/0.15±0.008	0.750	≤20	0.3302	0.3048	1.42	±0.10	≤59.4	3.35
20	Tinned Copper	19/0.19±0.008	0.950	≤32	0.3302	0.3048	1.59	±0.10	≤36.7	5.38
18	Tinned Copper	19/0.235 ±0.008	1.175	≤51	0.3302	0.3048	1.82	±0.12	≤23.2	8.23
16	Tinned Copper	19/0.30±0.008	1.500	≤51	0.3302	0.3048	2.16	±0.12	≤14.6	13.40
14	Tinned Copper	19/0.37±0.01	1.850	≤51	0.3302	0.3048	2.55	±0.12	≤8.96	20.30
12	Tinned Copper	19/0.49±0.01	2.450	≤51	0.3302	0.3048	3.05	±0.15	≤5.64	35.80
10	Tinned Copper	37/0.43±0.01	3.010	≤64	0.3302	0.3048	3.65	±0.20	≤3.546	42.90

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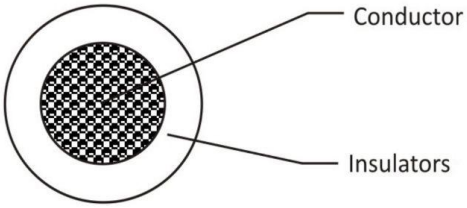
UL1333

Specifications

Insulation Material		FEP
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		300V AC
Nominal Temperature		150℃
KV／min Test Voltage		2.0KV AC
Flame Test		VW-1
Before Aging	(kgf／m㎡ 2) Average Tensile Strength	≥1.75
	Average Elongation	≥200%
Aging Conditions		232℃ 168H
After Aging	(kgf／m㎡) Average Tensile Strength	≥75%
	Average Elongation	≥75%

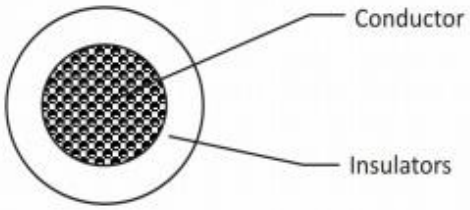


AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Number of wires	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km
30	Tinned Copper	7/0.10±0.008	0.30	≤13	0.3302	0.3048	1.00	±0.10	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.36	≤13	0.3302	0.3048	1.02	±0.10	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.48	≤15	0.3302	0.3048	1.14	±0.10	≤150	1.40
24	Tinned Copper	7/0.20±0.008	0.60	≤18	0.3302	0.3048	1.26	±0.10	≤94.2	2.10
22	Tinned Copper	19/0.15±0.008	0.75	≤20	0.3302	0.3048	1.42	±0.10	≤59.4	3.35
20	Tinned Copper	19/0.19±0.008	0.95	≤32	0.3302	0.3048	1.59	±0.10	≤36.7	5.38
18	Tinned Copper	19/0.235±0.008	1.18	≤51	0.3302	0.3048	1.82	±0.12	≤23.2	8.23
16	Tinned Copper	19/0.30±0.008	1.50	≤51	0.3302	0.3048	2.16	±0.12	≤14.6	13.40
14	Tinned Copper	19/0.37±0.01	1.85	≤51	0.3302	0.3048	2.55	±0.12	≤8.96	20.30
12	Tinned Copper	19/0.49±0.01	2.45	≤51	0.3302	0.3048	3.05	±0.15	≤5.64	35.80
10	Tinned Copper	37/0.43±0.01	3.01	≤64	0.3302	0.3048	3.65	±0.20	≤3.546	42.90

UL10064

Specifications

Insulation Material		FEP
Conductor		Tinned Copper/Copper
Color		Optional
Nominal Voltage		30V AC
Nominal Temperature		105℃
KV／min Test Voltage		500V AC
Flame Test		VW-1
Before Aging	(kgf／m㎡ 2) Average Tensile Strength	≥1.75
	Average Elongation	≥200%
Aging Conditions		232℃ 168H
After Aging	(kgf／m㎡) Average Tensile Strength	≥75%
	Average Elongation	≥75%



AWG	Material	Construction AWG	Diam of strands	Twist Pitch	Min Average Thickness（mm）	Minimum Thickness At Any Point（mm）	Number of wires	Diameter（mm）	Tolerance（mm）	Conductor Resistance at20℃ ohms/km
30	Tinned Copper	7/0.10±0.008	0.300	≤13	0.14	0.12	0.64	±0.08	≤381	0.55
28	Tinned Copper	7/0.12±0.008	0.360	≤13	0.15	0.12	0.80	±0.08	≤239	0.79
26	Tinned Copper	7/0.16±0.008	0.480	≤15	0.15	0.12	0.93	±0.08	≤150	1.40
24	Tinned Copper	7/0.20±0.008	0.600	≤18	0.15	0.12	0.95	±0.08	≤94.2	2.10
22	Tinned Copper	19/0.15±0.008	0.750	≤20	0.15	0.12	1.10	±0.10	≤59.4	3.35
20	Tinned Copper	19/0.19±0.008	0.950	≤32	0.15	0.12	1.30	±0.10	≤36.7	5.38

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Commercial storage connector harness

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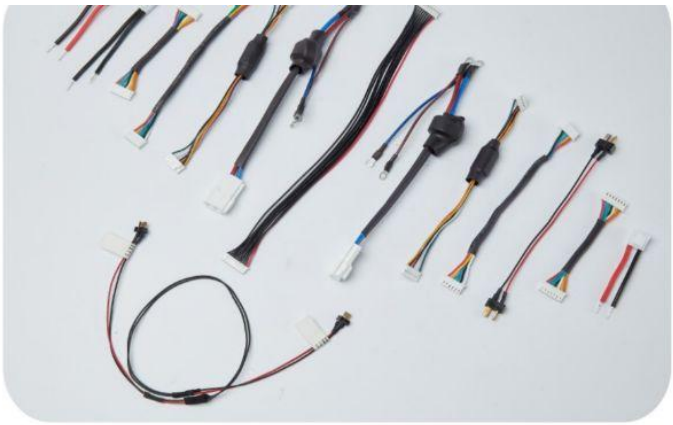
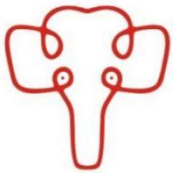
XT30/XT30/XT90
EC5/EC6/EC8

WIRE HARNESS





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