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Unshielded hv cable

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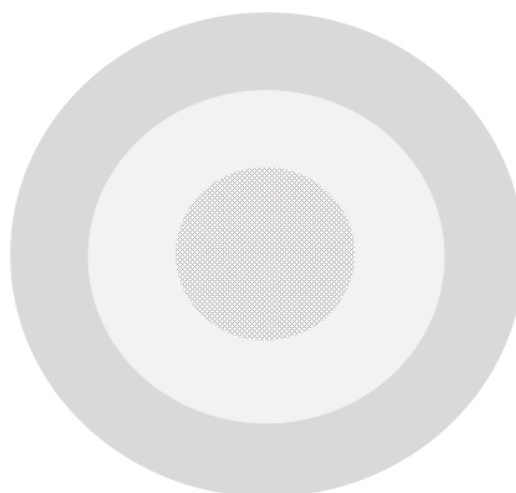
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UL3239 FEP 20KVDC HIGH VOLTAGE CABLE



Details:

Conductor: tinned copper (spc optional)

Dielectric: FEP

Coating : FEP

Rated Temperature : -60 ---+200

Rated Voltage : 20KVDC

*the below sheet is for detail specifications and various voltage grades.

AWG	Section (mm ²)	Conductor (mm)	Avg. Insulation Thickness (mm)					Finished Wire Outer Dia. (mm)					Avg. Jacket Thickness (mm)		
			50KV DC	40KV DC	30KV DC	20KV DC	10KV DC	50KV DC	40KV DC	30KV DC	20KV DC	10KV DC			
30	0.05	1/0.26									2.08	1.68	≥0.31		
28	0.08	1/0.32									2.14	1.74			
26	0.13	1/0.40		≥	≥	≥	≥				2.52	2.22		1.82	
	0.12	7/0.15		0.9	0.75	0.60	0.40				2.57	2.27		1.87	
24	0.20	1/0.50									2.92	2.62		2.32	1.92
	0.22	7/0.20									3.02	2.72		2.42	2.02
22	0.34	7/0.25						3.67	3.27	3.07	2.67	2.27			
	0.34	19/0.15						3.67	3.27	3.07	2.67	2.27			
20	0.56	7/0.32						3.88	3.48	3.28	2.88	2.48			
	0.50	19/0.18						3.82	3.42	3.22	2.82	2.42			
18	0.88	7/0.40	≥	≥	≥	≥	≥	4.12	3.72	3.52	3.12	2.72			
	0.79	19/0.23	1.15	0.95	0.85	0.65	0.45	4.07	3.67	3.47	3.07	2.67			
17	1.0	19/0.26						4.22	3.82	3.62	3.22	2.82			
16	1.34	19/0.30						4.42	4.02	3.82	3.42	3.02			
14	2.0	19/0.37						4.77	4.37	4.17	3.77	3.37			

please consult our company, if other specification, voltage needed

Features :

- * Operating Temperature: -60 ---+200
- * FEP Dielectric
- * Silver Plated or Tinned Plated Stranded Copper Wires
- * Resistant to UV, Ozone, Weather and Oil
- * RoHS Compliant

Applications:

- * Hot or Cold Environment
- * Abrasive Environment, eg. Moisture or Chemicals
- * Confined Spaces

UL3239 SILICONE INSULATED 30KV HIGH VOLTAGE WIRE



Details:

Conductor: tinned copper (spc optional)

Dielectric: silicone

Rated Temperature : -60 ---+180

Rated Voltage : 30KVDC

*the below sheet is for detail specifications and various voltage grades.

CONDUCTOR			RATED VOLTAGE [kVoc]												
			5	6	10	15	20	25	30	35	40	45	50	55	60
SIZE [AWG]	STRANDS TPC SPC [n/AWG]	AREA TPC SPC [mm ²]	NOM. OUTER DIAMETER [mm]												
24	19/36 19/36	0.24 0.24	2.0	2.3	2.5	2.7	3.2	3.8	4.4	5.0	5.5	6.8	7.8	8.2	8.5
22	7/30 19/34	0.36 0.38	2.1	2.4	2.7	2.9	3.4	4.0	4.6	5.1	5.7	6.9	7.9	8.3	8.7
20	10/30 19/32	0.51 0.61	2.3	2.6	2.8	3.0	3.6	4.2	4.8	5.3	5.9	7.1	8.1	8.5	8.9
18	16/30 19/30	0.82 0.97	2.5	2.9	3.1	3.3	3.8	4.4	5.1	5.6	6.2	7.4	8.4	8.8	9.2
16	26/30 19/29	1.32 1.22	2.7	3.1	3.3	3.5	4.0	4.6	5.2	5.8	6.4	7.6	8.6	9.0	9.3
14	41/30 41/32	2.09 1.31	3.1	3.5	3.7	3.9	4.4	5.0	5.6	6.1	6.8	8.0	9.0	9.4	9.8
12	65/30 19/25	3.31 3.08	3.6	3.9	4.2	4.4	4.9	5.5	6.1	6.7	7.2	8.4	9.4	9.9	10.2
10	105/30	5.32	4.2	4.6	4.8	5.0	5.5	6.1	6.7	7.3	7.8	9.1	10.1	10.5	10.8

please consult our company, if other specification, voltage needed

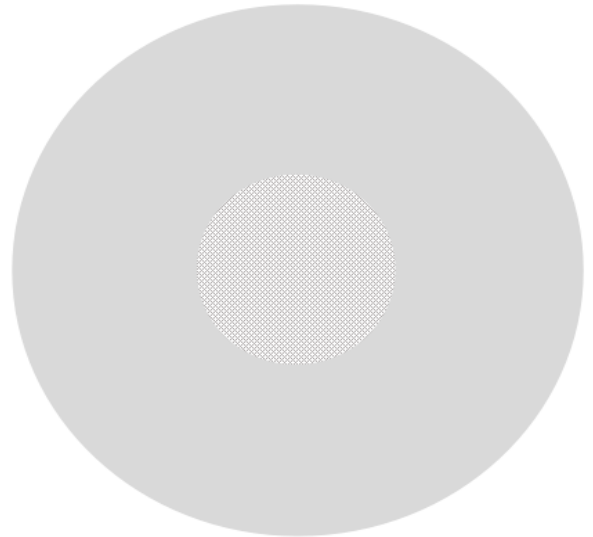
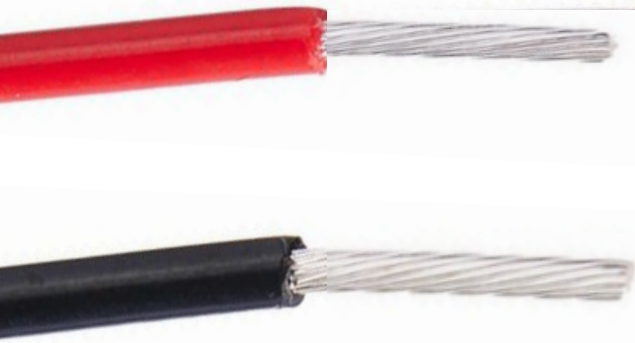
Features :

- * Operating Temperature: -60 ---+180
- * SILICONE Dielectric
- * Flexible wire
- * Silver Plated or Tinned Plated Stranded Copper Wires
- * RoHS Compliant

Applications:

- * Hot or Cold Environment
- * Internal wires
- * electric appliances

UL1911 PFA 24AWG-10AWG Insulated High Voltage Wire



Details:

Conductor: nickel copper or silver copper

Dielectric: PTFE/PFA

Rated Temperature : -100 ---+260

Rated Voltage : 5KVDC--50KVDC

*the below sheet is for detail specifications and various voltage grades.

AWG	Conductor (mm)	Overall Dia. (mm)						Max. Resistance 20°C(≤Ω/km)
		5KVDC	10KVDC	20KVDC	30KVDC	40KVDC	50KVDC	
24	1/0.50	1.50	1.70	1.80	2.10	2.60	2.80	89.2
	7/0.20	1.60	1.80	1.90	2.20	2.70	2.90	
22	7/0.25	1.75	1.90	2.05	2.35	2.85	3.05	56.4
	19/0.15	1.75	1.90	2.05	2.35	2.85	3.05	
20	7/0.32	2.00	2.10	2.30	2.60	3.10	3.30	35.3
	19/0.18	1.90	2.00	2.20	2.50	3.00	3.20	
18	7/0.40	2.20	2.35	2.50	2.80	3.30	3.50	22.2
	19/0.23	2.15	2.30	2.45	2.75	3.25	3.45	
17	19/0.26	2.30	2.50	2.60	2.90	3.40	3.60	17.6
16	19/0.30	2.50	2.70	2.80	3.10	3.60	3.80	14.0
14	19/0.37	2.85	3.00	3.15	3.45	3.95	4.15	8.78
12	19/0.48	3.40	3.60	3.70	4.00	4.50	4.70	5.53
10	37/0.43	4.05	4.20	4.35	4.65	5.15	5.35	3.47

please consult our company, if other specification, voltage needed

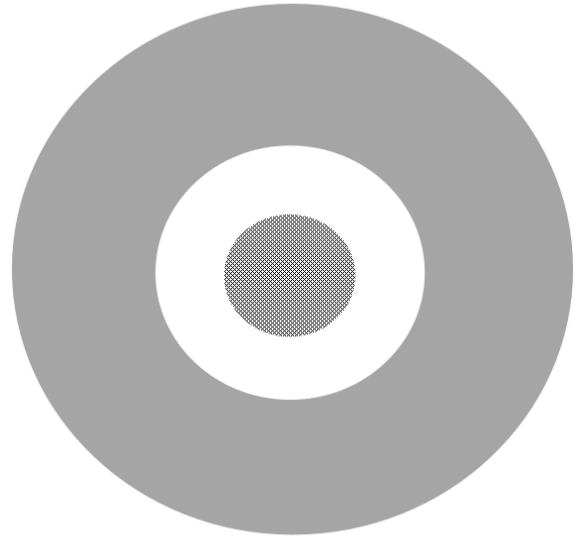
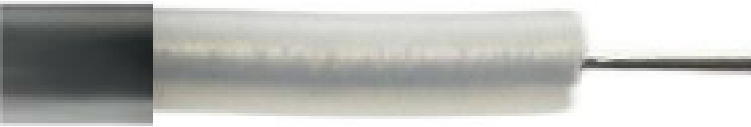
Features :

- * Operating Temperature: -100 ---+260
- * PFA/PTFE Dielectric
- * Silver Plated or nickel Plated Stranded Copper Wires
- * Resistant to UV, Ozone, Weather and Oil
- * RoHS Compliant

Applications:

- * Extreme Hot Environment
- * Abrasive Environment, eg. Moisture or Chemicals
- * Confined Spaces
- * Internal wires

40KVDC FEP SILICONE COATING HIGH VOLTAGE CABLE



Details:

Conductor: tinned copper (spc optional)

Dielectric: FEP

Coating : SILICONE

Rated Temperature : -60 ---+180

Rated Voltage : 40KVDC

*the below sheet is for detail specifications and various voltage grades.

AWG	Section (mm ²)	Conductor (mm)	Avg. Insulation Thickness(mm)					Avg. Jacket Thickness (mm)
			50KV DC	40KV DC	30KV DC	20KV DC	10KV DC	
30	0.05	1/0.26	≥ 1.15	≥ 0.95	≥ 0.85	≥ 0.65	≥ 0.45	≥ 0.5
28	0.08	1/0.32						
26	0.13	1/0.40						
	0.12	7/0.15						
24	0.20	1/0.50						
	0.22	7/0.20						
22	0.34	7/0.25	≥ 1.15	≥ 0.95	≥ 0.85	≥ 0.65	≥ 0.45	≥ 0.6
	0.34	19/0.15						
20	0.56	7/0.32						
	0.50	19/0.18						
18	0.88	7/0.40						
	0.79	19/0.23						
17	1.0	19/0.26						
16	1.34	19/0.30						
14	2.0	19/0.37						≥ 0.7

please consult our company, if other specification, voltage needed

Features :

- * Operating Temperature: -60 ---+180
- * FEP Dielectric
- * Silver Plated or Tinned Plated Stranded Copper Wires
- * Resistant to UV, Ozone, Weather and Oil
- * RoHS Compliant

Applications:

- * Hot or Cold Environment
- * Abrasive Environment, eg. Moisture or Chemicals
- * Confined Spaces

100KVDC AGG HIGH TEMPERATURE WEAR RESISTANCE HIGH VOLTAGE CABLE



Details:

Conductor: tinned copper (spc optional)

Dielectric: SILICONE

Rated Temperature : -60 ---+180

Rated Voltage : 100KVDC

*the below sheet is for detail specifications and various voltage grades.

Section (mm ²)	Conductor No./ Dia. (mm)	Overall Dia. (mm)				Max. Resistance 20°C (≤Ω/km)
		AGG-10KVDC	AGG-20KVDC	AGG-30KVDC	AGG-50KVDC	
0.20	7/0.20	3.00	4.20	6.60	8.60	95.0
0.35	19/0.16	3.20	4.40	6.80	8.80	53.1
0.50	16/0.20	3.40	4.60	7.00	9.00	40.1
0.75	24/0.20	4.00	4.80	7.20	9.20	26.7
1	32/0.20	4.20	5.40	8.20	9.70	20.0
1.5	48/0.20	4.80	5.60	8.60	10.00	13.7
2.5	49/0.25	5.40	6.60	9.40	11.20	8.21
4	56/0.30	6.00	7.20	10.10	11.80	5.09
6	84/0.30	7.20	8.60	11.20	13.60	3.39

Section (mm ²)	Conductor No./ Dia. (mm)	Overall Dia. (mm)				Max. Resistance 20°C (≤Ω/km)
		AGG-80KVDC	AGG-100KVDC	AGG-120KVDC	AGG-150KVDC	
4	56/0.30	15.80	18.8	21.8	25.8	5.09
6	84/0.30	16.60	19.6	22.8	26.8	3.39
10	84/0.40	18.60	21.6	24.8	28.6	1.95

please consult our company, if other specification, voltage needed

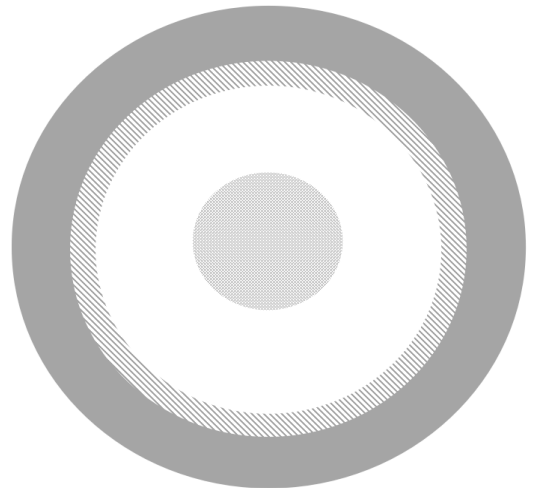
Features :

- * Operating Temperature: -60 ---+180
- * Dielectric silicone
- * Silver Plated or Tinned Plated Stranded Copper Wires
- * Resistant to UV, Ozone, Weather and Oil
- * RoHS Compliant
- * Meets VW-1 Flame Test

Applications:

- * high temperature Environment
- * Flexible wire
- * Heaters, Furnaces, Ovens
- * Motors, Generators, Dryers

SHIELDED 50KVDC FEP HIGH VOLTAGE CABLE



Details:

Conductor: tinned copper (spc optional)

Coating: FEP

Shield: tinned copper wire braided

Coating : silicone

Rated Temperature : -60 ---+200

Rated Voltage : 50KVDC

*the below sheet is for detail specifications and various voltage grades.

AWG	Section (mm ²)	Conductor (mm)	Avg. Insulation Thickness(mm)					Shielding	Avg. Jacket Thickness (mm)
			50KV DC	40KV DC	30KV DC	20KV DC	10KV DC		
30	0.05	1/0.26							
28	0.08	1/0.32							
26	0.13	1/0.40		≥	≥	≥	≥	≥1	
	0.12	7/0.15		0.9	0.75	0.60	0.40		
24	0.20	1/0.50							
	0.22	7/0.20							
22	0.34	7/0.25							
	0.34	19/0.15							
20	0.56	7/0.32						≥1.3	
	0.50	19/0.18							
18	0.88	7/0.40	≥	≥	≥	≥	≥	≥1.5	
	0.79	19/0.23	1.15	0.95	0.85	0.65	0.45		
17	1.0	19/0.26							
16	1.34	19/0.30							
14	2.0	19/0.37							

please consult our company, if other specification, voltage needed

Features :

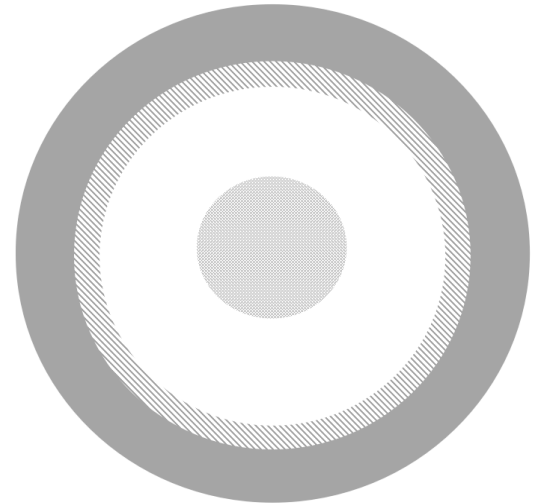
- * Operating Temperature: -60 ---+200
- * FEP Dielectric
- * Silver Plated or Tinned Plated Stranded Copper Wires
- * Resistant to UV, Ozone, Weather and Oil
- * RoHS Compliant

Applications:

Shielded high voltage cables are designed to reduce electrical interference and ensure safe and reliable transmission of high voltage power or signals. Some common applications of shielded high voltage cables include:

- 1. Power transmission:** Shielded high voltage cables are used for power transmission in a range of applications, including power stations, transformers, and substations. These cables are designed to handle high voltages and currents, and are typically insulated and shielded to prevent electrical arcing and other hazards.
- 2. Industrial automation:** Shielded high voltage cables are used in industrial automation applications, where they are used to transmit power and control signals to machinery and equipment. These cables are designed to be flexible and durable, and can withstand exposure to heat, oil, and other harsh chemicals. Shielding helps to prevent electrical interference from other machinery or equipment in the area.
- 3. Telecommunications:** Shielded high voltage cables are used in telecommunications applications, where they are used to transmit high voltage signals between devices or systems. These cables are designed to minimize signal loss and interference, ensuring clear and reliable communication.
- 4. Medical devices:** Shielded high voltage cables are commonly used in medical devices such as electrocardiogram (ECG) machines, magnetic resonance imaging (MRI) machines, and ultrasound equipment. These cables are used to transmit high voltage signals with minimal interference, ensuring accurate readings and images."

SHIELDED 10KVDC FEP HIGH VOLTAGE CABLE



Details:

Conductor: tinned copper (spc optional)

Dielectric: FEP

Shield: tinned copper wire braided

Coating : FEP

Rated Temperature : -60 ---+200

Rated Voltage : 10KVDC

*the below sheet is for detail specifications and various voltage grades.

AWG	Section (mm ²)	Conduct or (mm)	Avg. Insulation Thickness(mm)					Shielding	Avg. Jacket Thickness (mm)
			50KV DC	40KV DC	30KV DC	20KV DC	10KV DC		
30	0.05	1/0.26							
28	0.08	1/0.32							
26	0.13	1/0.40		≥	≥	≥	≥		
	0.12	7/0.15		0.9	0.75	0.60	0.40		
24	0.20	1/0.50							
	0.22	7/0.20							
22	0.34	7/0.25							
	0.34	19/0.15							
20	0.56	7/0.32							
	0.50	19/0.18							
18	0.88	7/0.40	≥	≥	≥	≥	≥		
	0.79	19/0.23	1.15	0.95	0.85	0.65	0.45		
17	1.0	19/0.26							
16	1.34	19/0.30							
14	2.0	19/0.37							

Tinned copper wire braid coverage ≥80%

≥0.31

please consult our company, if other specification, voltage needed

Features :

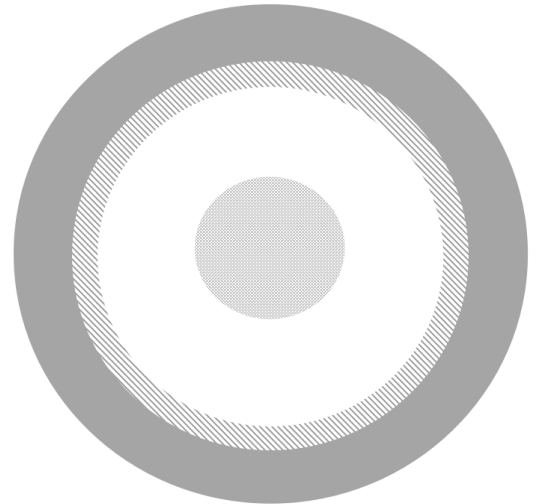
- * Operating Temperature: -60 ---+200
- * FEP Dielectric
- * Silver Plated or Tinned Plated Stranded Copper Wires
- * Resistant to UV, Ozone, Weather and Oil
- * RoHS Compliant

Applications:

Shielded high voltage cables are designed to reduce electrical interference and ensure safe and reliable transmission of high voltage power or signals. Some common applications of shielded high voltage cables include:

- 1. Power transmission:** Shielded high voltage cables are used for power transmission in a range of applications, including power stations, transformers, and substations. These cables are designed to handle high voltages and currents, and are typically insulated and shielded to prevent electrical arcing and other hazards.
- 2. Industrial automation:** Shielded high voltage cables are used in industrial automation applications, where they are used to transmit power and control signals to machinery and equipment. These cables are designed to be flexible and durable, and can withstand exposure to heat, oil, and other harsh chemicals. Shielding helps to prevent electrical interference from other machinery or equipment in the area.
- 3. Telecommunications:** Shielded high voltage cables are used in telecommunications applications, where they are used to transmit high voltage signals between devices or systems. These cables are designed to minimize signal loss and interference, ensuring clear and reliable communication.
- 4. Medical devices:** Shielded high voltage cables are commonly used in medical devices such as electrocardiogram (ECG) machines, magnetic resonance imaging (MRI) machines, and ultrasound equipment. These cables are used to transmit high voltage signals with minimal interference, ensuring accurate readings and images."

SHIELDED 40KVDC SILICONE HIGH VOLTAGE CABLE



Details:

Conductor: tinned copper (spc optional)

Dielectric: Silicone

Shield: tinned copper wire braided

Coating : Silicone

Rated Temperature : -60 ---+180

Rated Voltage : 40KVDC

*the below sheet is for detail specifications and various voltage grades.

Section (mm ²)	Conductor No./ Dia (mm)	Overall Dia. (mm)				Shielding	Jacket	Max.Resistance 20°C(≤Ω/km)
		AGG-10KVDC	AGG-20KVDC	AGG-30KVDC	AGG-50KVDC			
0.20	7/0.20	3.00	4.20	6.60	8.60	Tinned copper wire braid coverage ≥80%	1-2mm	95.0
0.35	19/0.16	3.20	4.40	6.80	8.80			53.1
0.50	16/0.20	3.40	4.60	7.00	9.00			40.1
0.75	24/0.20	4.00	4.80	7.20	9.20			26.7
1	32/0.20	4.20	5.40	8.20	9.70			20.0
1.5	48/0.20	4.80	5.60	8.60	10.00			13.7
2.5	49/0.25	5.40	6.60	9.40	11.20			8.21
4	56/0.30	6.00	7.20	10.10	11.80			5.09
6	84/0.30	7.20	8.60	11.20	13.60			3.39

please consult our company, if other specification, voltage needed

Features :

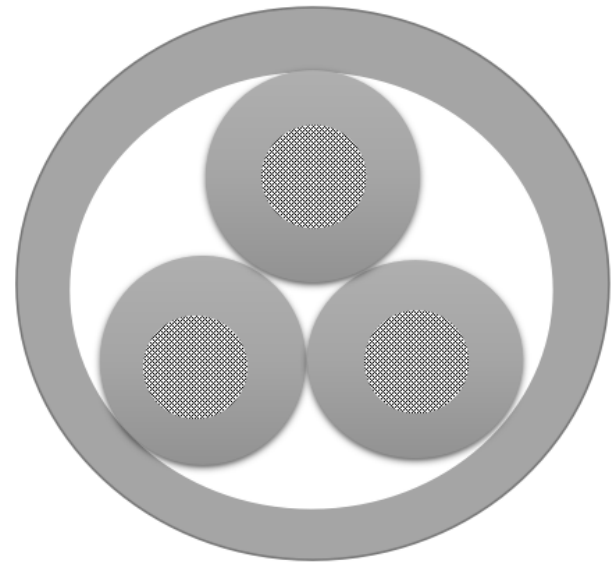
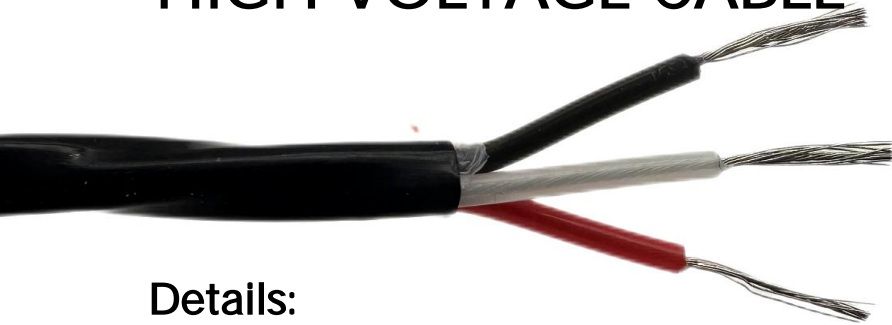
- * Operating Temperature: -60 ---+180
- * FEP Dielectric
- * Silver Plated or Tinned Plated Stranded Copper Wires
- * Resistant to UV, Ozone, Weather and Oil
- * RoHS Compliant

Applications:

Shielded high voltage cables are designed to reduce electrical interference and ensure safe and reliable transmission of high voltage power or signals. Some common applications of shielded high voltage cables include:

- 1. Power transmission:** Shielded high voltage cables are used for power transmission in a range of applications, including power stations, transformers, and substations. These cables are designed to handle high voltages and currents, and are typically insulated and shielded to prevent electrical arcing and other hazards.
- 2. Industrial automation:** Shielded high voltage cables are used in industrial automation applications, where they are used to transmit power and control signals to machinery and equipment. These cables are designed to be flexible and durable, and can withstand exposure to heat, oil, and other harsh chemicals. Shielding helps to prevent electrical interference from other machinery or equipment in the area.
- 3. Telecommunications:** Shielded high voltage cables are used in telecommunications applications, where they are used to transmit high voltage signals between devices or systems. These cables are designed to minimize signal loss and interference, ensuring clear and reliable communication.
- 4. Medical devices:** Shielded high voltage cables are commonly used in medical devices such as electrocardiogram (ECG) machines, magnetic resonance imaging (MRI) machines, and ultrasound equipment. These cables are used to transmit high voltage signals with minimal interference, ensuring accurate readings and images."

3 CORE FEP INSULATED AND SHEATHED HIGH VOLTAGE CABLE



Details:

Conductor: tinned copper (spc optional)

Dielectric: FEP

Cores : 2-10cores

Jacket : FEP

Rated Temperature : -60 ---+200

Rated Voltage : 10 ~ 50KVDC

*the below sheet is for detail specifications and various voltage grades.

Section (mm ²)	Conductor (No/mm)	Wire Dia. (mm)					cores	Jacket (mm)	Max Resistance 20°C (≤Ω/km)	
		50KVDC	40KVDC	30KVDC	20KVDC	10KVDC			FEP	tinned copper wire
		0.12	7/0.15	≥1.1	≥1.0	≥0.8		≥0.65	≥0.55	2-10cores
0.20	7/0.20	90.4	83.5							
0.35	19/0.16	≥1.15	≥1.05	≥0.85	≥0.65	≥0.58	2-10cores	0.40	53.1	49.5
0.50	19/0.18								39.7	36.0
0.56	7/0.32								38.1	35.3
0.75	19/0.23								24.6	23.7
0.85	7/0.40								23.9	22.2
1.0	19/0.26								20.4	19.0
1.35	19/0.30								15.9	14.7
2.0	19/0.37								9.62	8.98

please consult our company, if other specification, voltage needed

Features :

- * Operating Temperature: -60 ---+200
- * FEP Dielectric
- * Silver Plated or Tinned Plated Stranded Copper Wires

- * Resistant to UV, Ozone, Weather and Oil
- * RoHS Compliant

Applications:

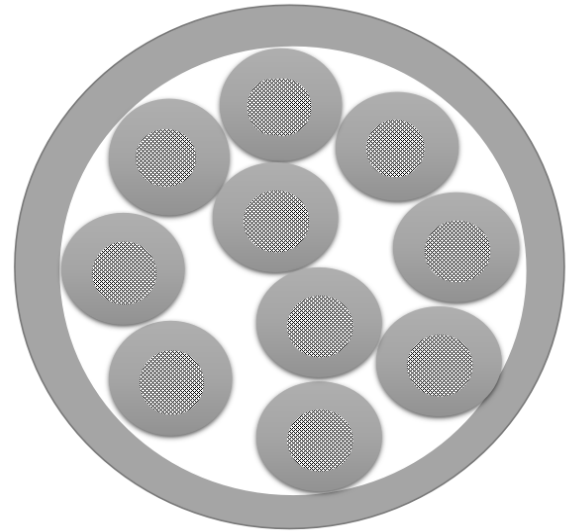
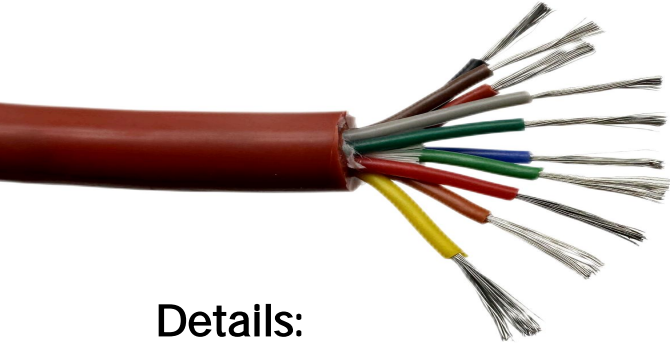
- * Power transmission and distribution: Multi-core high voltage cables are commonly used to transmit electrical power from power plants to homes and businesses. They are also used to distribute power within large industrial facilities.

- * Renewable energy: With the growth of renewable energy sources such as wind and solar power, multi-core high voltage cables are becoming increasingly important for transmitting power from these sources to the electrical grid.

- * Transportation: Multi-core high voltage cables are used in electric vehicles to transmit power from the battery to the motor.

- * Manufacturing: High voltage cables are used in various manufacturing processes, such as welding and electroplating.

MULTI CORE FEP/SILICONE HIGH VOLTAGE CABLE



Details:

Conductor: tinned copper (spc optional)

Dielectric: FEP

Cores : 2-10cores

Jacket : SILICONE

Rated Temperature : -60 ---+180

Rated Voltage : 10 ~ 50KVDC

*the below sheet is for detail specifications and various voltage grades.

Section (mm ²)	Conductor (No./mm)	Wire Dia. (mm)					cores	shield thickness (mm)	Max Resistance 20°C (≤Ω/km)	
		50KVDC	40KVDC	30KVDC	20KVDC	10KVDC		Silicone	tinned copper wire	silver plated copper wire
		≥1.1	≥1.0	≥0.8	≥0.65	≥0.55			≥1.5	160
0.12	7/0.15	≥1.1	≥1.0	≥0.8	≥0.65	≥0.55	2-10cores	≥1.5	90.4	83.5
0.20	7/0.20								53.1	49.5
0.35	19/0.16	≥1.15	≥1.05	≥0.85	≥0.65	≥0.58		≥2.0	39.7	36.0
0.50	19/0.18								38.1	35.3
0.56	7/0.32							24.6	23.7	
0.75	19/0.23							23.9	22.2	
0.85	7/0.40							20.4	19.0	
1.0	19/0.26							15.9	14.7	
1.35	19/0.30							9.62	8.98	
2.0	19/0.37									

please consult our company, if other specification, voltage needed

Features :

- * Operating Temperature: -60 ---+180
- * FEP Dielectric
- * Silver Plated or Tinned Plated Stranded Copper Wires

- * Resistant to UV, Ozone, Weather and Oil
- * RoHS Compliant

Applications:

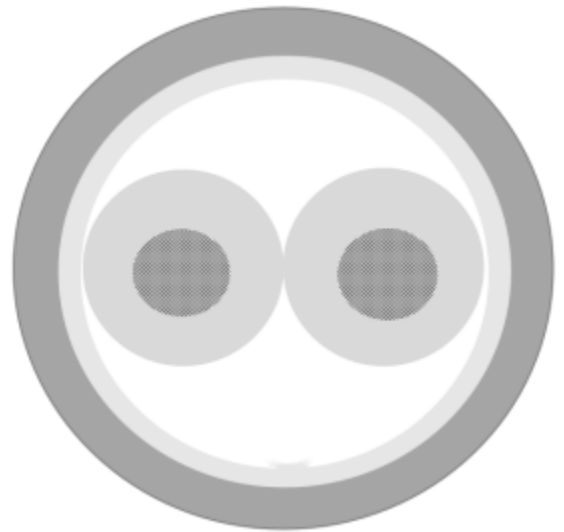
- * Power transmission and distribution: Multi-core high voltage cables are commonly used to transmit electrical power from power plants to homes and businesses. They are also used to distribute power within large industrial facilities.

- * Renewable energy: With the growth of renewable energy sources such as wind and solar power, multi-core high voltage cables are becoming increasingly important for transmitting power from these sources to the electrical grid.

- * Transportation: Multi-core high voltage cables are used in electric vehicles to transmit power from the battery to the motor.

- * Manufacturing: High voltage cables are used in various manufacturing processes, such as welding and electroplating.

2 CORE SILICONE INSULATED AND SHEATHED HIGH VOLTAGE CABLE



Details:

Conductor: tinned copper

Dielectric: Silicone

Cores : 2

Jacket : silicone

Rated Temperature : -60 ---+180

Rated Voltage : 3 ~ 50KVDC

*the below sheet is for detail specifications and various voltage grades.

Section (mm ²)	Conductor (No./mm)	Wire Dia. (mm)								cores	Avg. Jacket Thickness	Max Resistance 20°C (≤Ω/km)
		3KVDC	6KVDC	10KVDC	15KVDC	20KVDC	30KVDC	40KVDC	50KVDC			
0.14	7/0.16	1.5	2.1	2.6	2.9	3.3	4.1	4.9	5.7	≤19cores	≥1.5	160
0.20	7/0.20	1.6	2.2	2.7	3.0	3.4	4.2	5.0	5.8			83.5
0.35	7/0.26	1.8	2.4	2.9	3.2	3.6	4.4	5.2	6.0			49.5
0.50	7/0.32	2.0	2.6	3.1	3.4	3.8	4.6	5.4	6.2			36.0
0.75	19/0.23	2.2	2.8	3.3	3.6	4.0	4.8	5.6	6.4	≤7cores	≥2.0	22.7
1.34	19/0.30	2.5	3.1	3.6	3.9	4.3	5.1	5.9	6.7			14.6
2	19/0.37	3.2	3.8	4.5	4.8	5.1	6.1	7.3	7.9			9.45

please consult our company, if other specification, voltage needed

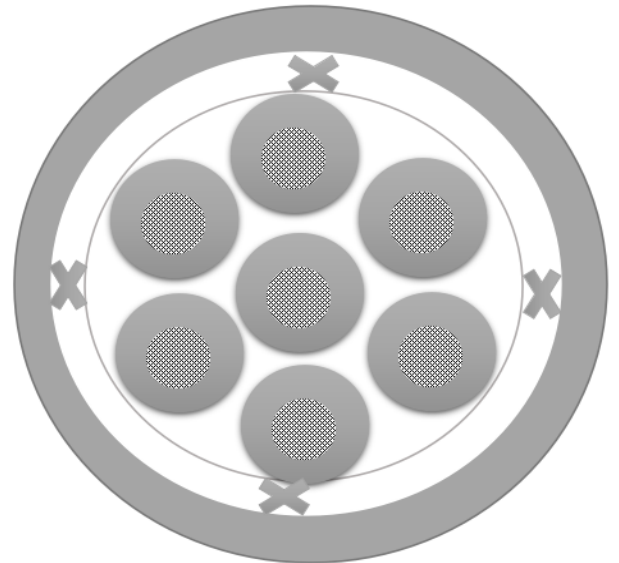
Features :

- * Operating Temperature: -60 ---+180
- * Silicone Dielectric
- * Silver Plated or Tinned Plated Stranded Copper Wires
- * Resistant to UV, Ozone, Weather and Oil
- * RoHS Compliant

Applications:

- * Power transmission and distribution: Multi-core high voltage cables are commonly used to transmit electrical power from power plants to homes and businesses. They are also used to distribute power within large industrial facilities.
- * Renewable energy: With the growth of renewable energy sources such as wind and solar power, multi-core high voltage cables are becoming increasingly important for transmitting power from these sources to the electrical grid.
- * Transportation: Multi-core high voltage cables are used in electric vehicles to transmit power from the battery to the motor.
- * Manufacturing: High voltage cables are used in various manufacturing processes, such as welding and electroplating.

7 CORE FEP SHIELDED HIGH VOLTAGE CABLE



Details:

Conductor: tinned copper (spc optional)

Dielectric: FEP

Cores 7

SHIELD : TC COPPER WIRE BRAIDED

Jacket FEP

Rated Temperature : -60 ---+200

Rated Voltage : 10 ~ 50KVDC

*the below sheet is for detail specifications and various voltage grades.

Section (mm ²)	Conductor (No./mm)	Wire Dia. (mm)					Shielding	Jacket	Max Resistance 20°C (≤Ω/km)	
		50KVDC	40KVDC	30KVDC	20KVDC	10KVDC			tinned copper wire	silver plated copper wire
		≥1.1	≥1.0	≥0.8	≥0.65	≥0.55				
0.12	7/0.15	≥1.1	≥1.0	≥0.8	≥0.65	≥0.55	Tinned copper	FEP	160	146
0.20	7/0.20								90.4	83.5
0.35	19/0.16	≥1.15	≥1.05	≥0.85	≥0.65	≥0.58			53.1	49.5
0.50	19/0.18								39.7	36.0
0.56	7/0.32								38.1	35.3
0.75	19/0.23								24.6	23.7
0.85	7/0.40								23.9	22.2
1.0	19/0.26								20.4	19.0
1.35	19/0.30								15.9	14.7
2.0	19/0.37	9.62	8.98							

please consult our company, if other specification, voltage needed

Features :

- * Operating Temperature: -60 ---+200
- * FEP Dielectric
- * Silver Plated or Tinned Plated Stranded Copper Wires

- * Resistant to UV, Ozone, Weather and Oil
- * RoHS Compliant

Applications:

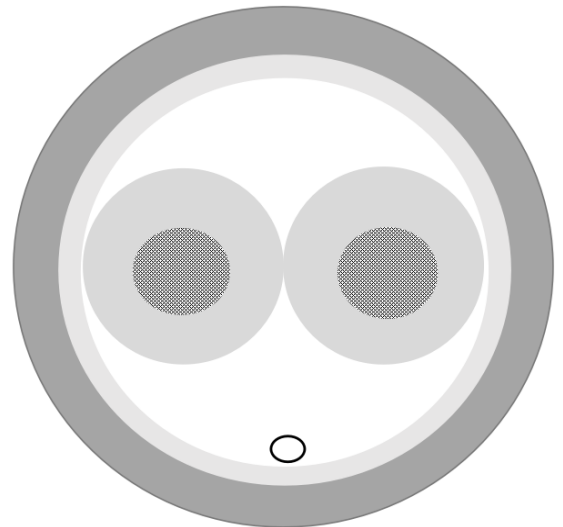
- * Power transmission and distribution: Multi-core high voltage cables are commonly used to transmit electrical power from power plants to homes and businesses. They are also used to distribute power within large industrial facilities.

- * Renewable energy: With the growth of renewable energy sources such as wind and solar power, multi-core high voltage cables are becoming increasingly important for transmitting power from these sources to the electrical grid.

- * Transportation: Multi-core high voltage cables are used in electric vehicles to transmit power from the battery to the motor.

- * Manufacturing: High voltage cables are used in various manufacturing processes, such as welding and electroplating.

MULTI CORE SILICONE SHIELDED HIGH VOLTAGE CABLE



Details:

Conductor: tinned copper (spc optional)

Dielectric: Silicone

Cores : 2

Shield : Al Foil+ tc drain wire

Jacket : silicone(FR PVC/LSZH)

Rated Temperature : -60 ---+180

Rated Voltage : 20KVDC

*the below sheet is for detail specifications and various voltage grades.

Section (mm ²)	Conduct or (No./mm)	Wire Dia. (mm)								cores	shielding Type	Avg. Jacket Thickness	Max Resistance 20°C (≤Ω/km)
		3KVDC	6KVDC	10KVDC	15KVDC	20KVDC	30KVDC	40KVDC	50KVDC				
0.14	7/0.16	1.5	2.1	2.6	2.9	3.3	4.1	4.9	5.7	≤19cores	Al Foil+tc drain wire or Tinned copper wire braid	≥1.5	160
0.20	7/0.20	1.6	2.2	2.7	3.0	3.4	4.2	5.0	5.8				83.5
0.35	7/0.26	1.8	2.4	2.9	3.2	3.6	4.4	5.2	6.0				49.5
0.50	7/0.32	2.0	2.6	3.1	3.4	3.8	4.6	5.4	6.2				36.0
0.75	19/0.23	2.2	2.8	3.3	3.6	4.0	4.8	5.6	6.4	≤7cores		≥2.0	22.7
1.34	19/0.30	2.5	3.1	3.6	3.9	4.3	5.1	5.9	6.7				14.6
2	19/0.37	3.2	3.8	4.5	4.8	5.1	6.1	7.3	7.9				9.45

Jacket Material optional Silicone , FR PVC , LSZH)

please consult our company, if other specification, voltage needed

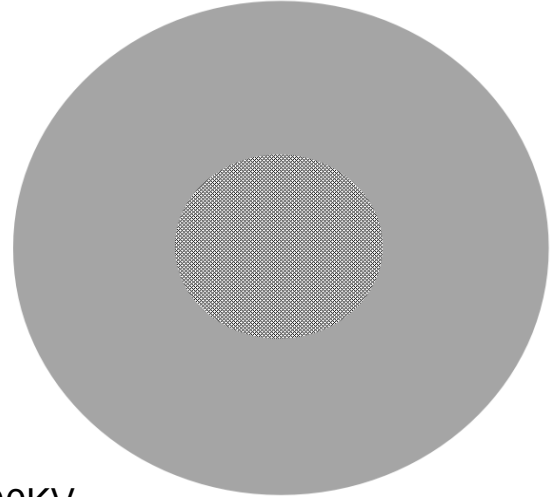
Features :

- * Operating Temperature: -60 ---+180
- * Silicone Dielectric
- * Silver Plated or Tinned Plated Stranded Copper Wires
- * Resistant to UV, Ozone, Weather and Oil
- * RoHS Compliant

Applications:

- * Power transmission and distribution: Multi-core high voltage cables are commonly used to transmit electrical power from power plants to homes and businesses. They are also used to distribute power within large industrial facilities.
- * Renewable energy: With the growth of renewable energy sources such as wind and solar power, multi-core high voltage cables are becoming increasingly important for transmitting power from these sources to the electrical grid.
- * Transportation: Multi-core high voltage cables are used in electric vehicles to transmit power from the battery to the motor.
- * Manufacturing: High voltage cables are used in various manufacturing processes, such as welding and electroplating.

SILICONE INSULATED FOR MOTOR LEAD HIGH TEMPERATURE WIRE



Details:

Conductor: tinned copper

Dielectric: Silicone

Cores 1

Rated Temperature : -60 ---+180

Rated Voltage : 6KV,10KV,35KV,50KV,80KV,100KV

*the below sheet is for detail specifications and various voltage grades.

Section area (mm ²)	Construction (No./mm)	O.D. (mm)		Max Resistance 20°C (≤Ω/km)
		JGG-6KVAC	JGG-10KVAC	
0.50	16/0.20	5.85	8.80	40.1
0.75	24/0.20	6.10	8.90	26.7
1.0	32/0.20	6.20	9.00	20.0
1.5	48/0.20	6.80	9.10	13.7
2	40/0.25	7.20	9.20	10.0
2.5	49/0.25	7.80	9.30	8.21
4	56/0.30	8.50	10.00	5.09
6	84/0.30	9.80	11.50	3.39
10	84/0.40	10.90	12.00	1.95
16	126/0.40	12.80	13.60	1.24
25	196/0.40	14.50	15.00	0.80
35	276/0.40	16.00	16.80	0.57
50	396/0.40	18.10	18.80	0.40
70	360/0.50	20.50	21.00	0.28

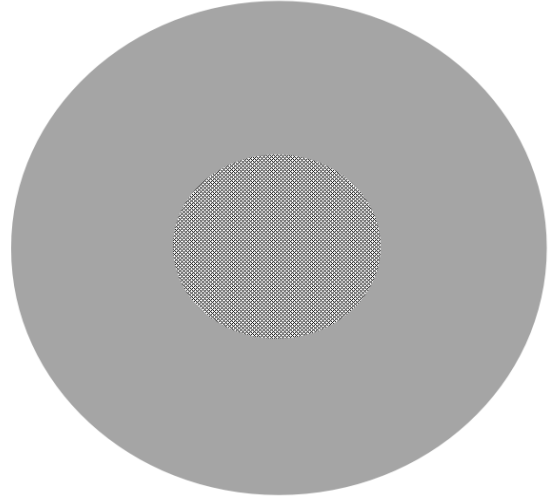
Section area (mm ²)	Construction (mm)	O.D. (mm)				Max Resistance 20°C (≤Ω/km)
		JGG-35KVAC	JGG-50KVAC	JGG-80KVAC	JGG-100KVAC	
4	56/0.30	18.00	21.50	24.50	27.00	5.09
6	84/0.30	18.50	22.20	25.00	27.50	3.39
10	84/0.40	19.80	23.80	25.80	28.00	1.95
16	126/0.40	20.50	24.50	26.80	29.00	1.24

please consult our company, if other specification, voltage needed

Features :

- * Operating Temperature: -60 ---+180
- * silicone Dielectric
- * flexible cable
- *Tinned Plated Stranded Copper Wires
- * Resistant to UV, Ozone, Weather
- * RoHS Compliant

13.8KV High Temp motor lead wire silicone high voltage cable



Details:

Conductor: tinned copper

Dielectric: Silicone

Cores : 1

Rated Temperature : -60 ---+180

Rated Voltage : 13.8KV

*the below sheet is for detail specifications and various voltage grades.

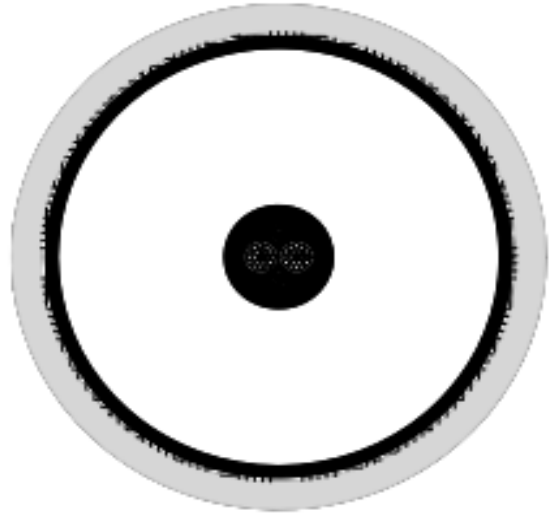
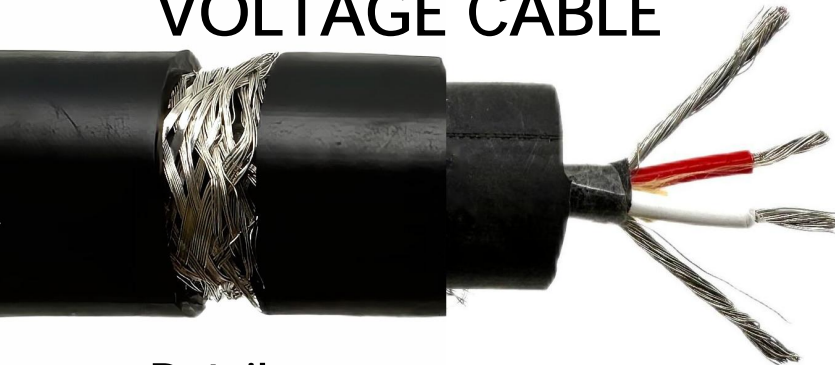
Section	Conductor Structure	Nominal Insulation thickness	Nominal Wire OD
mm2	No./mm	mm	mm
4	56/0.30	4.0	10.7
6	84/0.30	4.0	11.3
10	80/0.40	4.0	12.6
16	126/0.40	4.0	13.8
25	196/0.40	4.0	15.3
35	276/0.40	4.0	16.6
50	396/0.40	4.0	18.7
70	360/0.50	4.0	20.4
95	485/0.50	4.0	22.5
120	608/0.50	4.0	24.0
150	756/0.50	4.2	26.4
185	925/0.50	4.2	28.4
240	1221/0.50	4.5	32.0
300	1525/0.50	4.5	35.0
400	2037/0.50	4.5	39.0

please consult our company, if other specification, voltage needed

Features :

- * Operating Temperature: -60 ---+180
- * silicone Dielectric
- * flexible cable
- *Tinned Plated Stranded Copper Wires
- * Resistant to UV, Ozone, Weather
- * RoHS Compliant

X-RAY MEDICAL CUSTOMIZED HIGH VOLTAGE CABLE



Details:

Conductor: tinned copper

Dielectric: EPR

Cores : 4

Rated Temperature : -40 ---+60

Jacket : Silicone

Rated Voltage : 100KVDC/30KVAC

*the below sheet is for detail specifications and various voltage grades.

1.Conductor	2x St/Cu AWG20 [7x0.32 copper cladded steel),79mQ/m, Mylar Tape Insulation, Rated Voltage:10kVoc	2x0.57mm ²
2.Conductor	2x Cu/Sn AWG15[19x0.33mm, t.p.c.], Polyester Tape Insulation, Rated Voltage: 1kVoc	2x 1.7mm ²
3.Conductor	2x bare Cu/Sn AWG18[19x0.24mm, t.p.c.],AWG15 in total	1.9mm ²
4.Semicon	Semiconductive EPR (black)	6.6mm
5. Dielectric	EPR	16.8mm
6.Semicon	Semiconductive EPR (black)	17.9mm
7.Braid	Cu/Sn ≥ 80% Coverage	18.7mm
8.Jacket	PVC [grey]	21.5mm

please consult our company, if other specification, voltage needed

Features :

- * Operating Temperature: -40 ---+60
- * silicone Dielectric
- * flexible cable
- * Tinned Plated Stranded Copper Wires
- * Resistant to UV, Ozone, Weather
- * RoHS Compliant

Introduction:

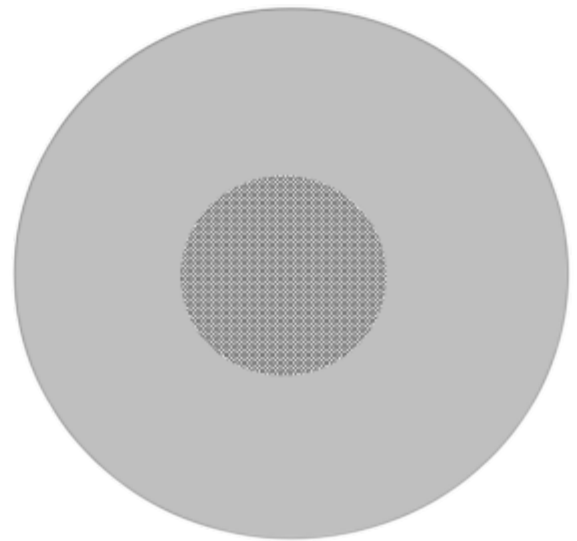
X-ray medical customized high voltage cable is a type of cable that is specifically designed for use in medical equipment **such as X-ray machines, CT scanners, and other medical imaging devices**. These cables are used to transmit high voltage power from the power supply to the X-ray tube, which generates the X-rays used in medical imaging.

X-ray medical customized high voltage cable is typically **made of high-quality materials** that can withstand the high voltages involved in generating X-rays, and they are often shielded to prevent interference with other electronic equipment in the medical facility. The cable may also be designed with specific connectors and terminations to ensure compatibility with the medical equipment it is intended for.

Since X-ray medical customized high voltage cable is used in a critical medical application, it must **meet rigorous safety** and performance standards to ensure patient safety and accurate medical imaging. These standards may vary depending on the country or region where the cable is being used.

It's important to work with **experienced professionals** in the medical equipment industry when selecting and installing X-ray medical customized high voltage cable to ensure that the cable meets the necessary safety and performance standards for your specific application.

15KV SILICONE IGNITION NEON HIGH VOLTAGE CABLE



Details:

Conductor: tinned copper

Dielectric: Silicone

Cores : 1

Section : 1mm²

Rated Temperature : -60 ---+200

Rated Voltage : 3.5 ~ 20KVDC

*the below sheet is for detail specifications and various voltage grades.

section MM2	description	O.D. MM	weight Kg/Km
0.5	FZ-LSi	5.0	36
1.0	FZ-LS	7.5	65
1.5	FZ-LSi	8.5	88
1.0	FZ-LS,15kV	5.0	34
1.0	FZ-LS,20kV	7.0	60
1.5	neon,3,5kV	4.4	32
1.5	neon,4,0kV	6.6	59
1.5	neon,7,5kv	7.6	75

please consult our company, if other specification, voltage needed

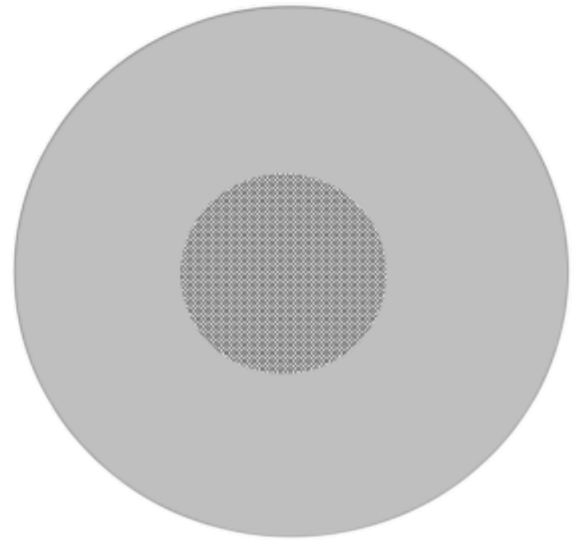
Features :

- * Operating Temperature: -60 ---+200
- * silicone Dielectric
- * flexible cable
- *Tinned Plated Stranded Copper Wires
- * Resistant to UV, Ozone, Weather
- * RoHS Compliant

Application:

1. **Automotive:** Ignition wires are used in cars and trucks to transmit electrical energy from the ignition coil to the spark plugs.
2. **Marine:** Ignition wires are used in boats to power the engine's ignition system.
3. **Small engines:** Ignition wires are used in small engines, such as lawnmowers and chainsaws, to power the ignition system.
4. **Aviation:** Ignition wires are used in aircraft engines to power the ignition system.

20KV PE INSULATED HIGH VOLTAGE CABLE



Details:

Conductor: tinned copper

Dielectric: PE

Cores : 1

Section :1mm²

Rated Temperature : -10 ---+80

Rated Voltage : 20KVDC

*the below sheet is for detail specifications and various voltage grades.

Section (mm ²)	Conductor (No./mm)	O.D.(mm)			Resistance @ 20°C
		10KVDC	15KVDC	20KVDC	
0.20	7/0.20	2.80	3.60	4.20	90.40
0.20	19/0.12	2.80	3.60	4.20	93.80
0.35	7/0.26	2.98	3.78	4.38	53.50
0.35	19/0.16	3.00	3.80	4.40	53.10
0.50	7/0.30	3.10	3.90	4.50	36.70
0.50	19/0.18	3.10	3.90	4.50	36.70
0.75	19/0.23	3.35	4.15	4.75	24.60
0.75	7/0.40	3.40	4.20	4.80	24.60
1.00	19/0.26	3.90	4.70	5.30	20.40
1.35	19/0.30	4.10	4.90	5.50	16.30
1.50	19/0.32	4.20	5.00	5.60	12.70
2.00	19/0.37	4.85	5.65	6.25	10.00
2.50	19/0.41	5.05	5.85	6.45	7.43
4.00	37/0.37	5.59	6.39	7.00	4.88

please consult our company, if other specification, voltage needed

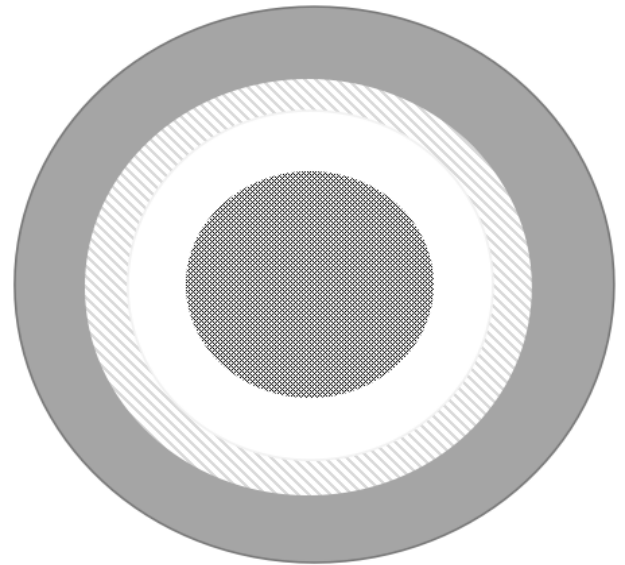
Features :

- * Operating Temperature: -10 ---+80
- * silicone Dielectric
- * flexible cable
- *Tinned Plated Stranded Copper Wires
- * Resistant to UV, Ozone, Weather
- * RoHS Compliant

Application:

1. **Automotive:** Ignition wires are used in cars and trucks to transmit electrical energy from the ignition coil to the spark plugs.
2. **Marine:** Ignition wires are used in boats to power the engine's ignition system.
3. **Small engines:** Ignition wires are used in small engines, such as lawnmowers and chainsaws, to power the ignition system.
4. **Aviation:** Ignition wires are used in aircraft engines to power the ignition system.

Customized Shielded 100KV high voltage cable



Details:

Conductor: tinned copper

First Dielectric: Silicone

Cores : 1

shield : tinned copper braid

Second Dielectric : silicone

Rated Temperature : -60 ---+200

First Dielectric Voltage : 6KV

Rated Voltage : 100KVDC

*the below sheet is for detail specifications and various voltage grades.

Section (mm ²)	Conductor No. (mm)	Overall Dia. (mm)	Second Dielectric (mm)	Max. Resistance 20°C (≤Q/km)
		JGG-6KVAC		
0.50	16/0.20	5.85	10	40.1
0.75	24/0.20	6.10		26.7
1.0	32/0.20	6.20		20.0
1.5	48/0.20	6.80		13.7
2.0	40/0.25	7.20		10.0
2.5	49/0.25	7.80	12	8.21
4.0	56/0.30	8.50		5.09
6.0	84/0.30	9.80		3.39
10.0	84/0.40	10.90		1.95

please consult our company, if other specification, voltage needed

Features :

- * Operating Temperature: -60 ---+200
- * silicone Dielectric
- * flexible cable
- * Tinned Plated Stranded Copper Wires
- * Resistant to UV, Ozone, Weather
- * RoHS Compliant

Application:

1. **Medical Equipment:** High voltage cables are used in medical equipment such as X-ray machines, CT scanners, MRI machines, and other medical imaging devices.
2. **Aerospace and Defense:** The cables can be used in aerospace and defense applications such as missile systems, radar systems, and communication systems.
3. **Electric Vehicles:** High voltage cables are used in electric vehicles to transmit power from the battery to the motor.
4. **Renewable Energy:** The cables can be used in renewable energy systems such as wind turbines and solar power plants.
5. **Research and Development:** High voltage cables can be used in research and development labs to power experimental equipment.