



# Submersible Pump Cable

ESP cable is applicable to ESP, of which rated voltage is 6KV and less than it. The product includes submersible series pump cable  $\Box$ flat cable $\Box$ round cable; heat resistant level ranges from  $70\Box$  to  $204\Box$  to meet the different needs, providing favorable conductions for exploitation pump well.

High-heat and high-pressure ESP cable with special structure and process, widely used in high-pressure, high-gas wells, applies in particular to the marine oil field.

Round and flat integration cable with special structure and process, widely used in transition position of round and flat ESP cable \( \sigma \) cab e avoided fleeing liquids and gases into cable.

Guard against knocking and bumping cable with special structure and process, widely used in inclined well  $\Box$  horizontal well and dog leg, be able to improve success rates of descent well only one time.

Capillary cable with special structure and process  $\square$  combination ESP cable with one or more metal tube  $\square$  chemical agent injected into gas well through metal tube.

ESP and MLE cable integration with special structure and process□can be avoid artificial joints too big□this cable widely used in Jidong oil field.



High-heat and highpressure ESP cable



Round and flat cable Integration



Guard against knocking and bumping



Capillary cable

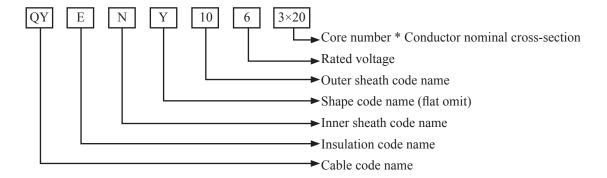


ESP and MLE cable integration

### **Product Features:**

- 1 Rated voltage U (Line voltage) is 3kv and 6kv.
- 2 Please refer to table 2 about maximum conductor operating temperature.
- 3 Flat cable is suiting for oil tube and small space tube ☐ Round cable is suiting for oil tube and tube with enough space.
- 4 When laying down the bending radius doesn't lower than 500mm.
- 5 When laying down the polypropylene insulation cable, environmental temperature of doesn't lower than  $-20\Box$ .

Product type, rated voltage, product specification, please refer to this picture(take QYENY10 6kV 3×20 for example)□







# Table 1 The typical model of cable and technological parameter:

Туре	level of Number voltage of	Maximum conductor operating	Minimum resistance of	direct-current withstand voltage test (kV) and Leakage	Unbalance of D.C. resistance of	Nominal area of conducto	Maximum resistance of conductorat 20 ≤Ω/km		
	withstanding kV	cores	temperature ≤°C	insulation at 20 RMΩ·km	current ( µA/km )	conductor %	rmm <sup>2</sup> /AWG	Plain wires	T i n - coating wires
QYYH10 QYYA10			70						
QYPN10 QYPF10 QYPA10 QYYJN10 QYEH10 QYPNY10			90						
QYEN10 QYYJQ10 QYEE10 QYFYJQ10					1 rating 3kV:test voltage 27kV,		10/7	1.83	1.84
QYEQ10 QYYEQ10 QYEEY10 QYENY10			120	R=Klg(D/d) (K: resistance	rating 6kV: test voltage		13/6	1.39	1.40
QYEQNY10 QYJYEQ10 QYJYEN10	3			constant of insulation	35kV, ; 5min		16/5	1.15	1.16
QYFEQ10 QYEQ10 QYYEQ10		3	135	material, PP:15240,	2 Leakage	≤2	20/4	0.84	0.86
QYFSQ10 QYYEQ10 QYF46Q10 QYF40EQ10	6			EPDM:6096, D: insulation dia.,	≤U/R ( U : t e s t		33/2	0.54	0.56
QYJYFQ10 QYEQ10 QYEQNY10 QYEEY10			150	d: conductor dia.	voltage; R: minimum		42/1	0.43	0.44
QYJYEQ10 QYYEQEY10					insulation resistance.)		52/0	0.24	0.35
QYYF40Q10 QYSQ10 QYYSQ10 QYYEQ10 QYYEEY10 QYYEQEY10 QYYEQNY10 QYEQ10			180		resistance.		53/0	0.34	
QYYF46Q10 QYYEQ10			204						

# The size of cable structure

Nominal	Number of wires/		Rated	Insulation	Inner sheath	Armor			Overa	all dimen	sions		
area of conductor mm²	nominal diameter of single wire mm	Cable type	voltageRated voltage kV	thickness mm	$n \cap m \mid n \mid$	nominal thickness ≥mm	10 mm²	13 mm²	16 mm²	20 mm <sup>2</sup>	33 mm <sup>2</sup>	42 mm²	53 mm²
10	1/3.57	引接	3	1.0	0.8	0.3	11.5× 28.5	11.5× 29.5	13×31.5	14×33			
13 16	1/4.12 1/4.62	电缆	6	1.5	0.8	0.4	12.532	13×34	13×35	15×37			
20 33	1/5.19 1/6.54 (7/2.50)	扁形	3	1.9	1.3	0.5	14×35	14.5× 37.5	15×39	16×40	18×46	19×49	20×50
42	1/7.35	电缆	6	2.3	2.0	0.5			35	36	40	42	44
53	(7/2.85) 1/8.25	圆形	3	1.9	2.0	0.5			33	34	38	40	42
M	(7/3.16) 电缆	6	2.3	2.0	0.5			35	36	40	42	44	

Nominal insulation thickness of FEP is 1.0mm. Nominal jacket thickness of lead is 1.0mm





# Electric pole cable

WRCF $\square$ WRCEF3, this two kinds of structure electric pole cables acquired national patent. The product can be used in different environments wells, the temperature rating including 90  $\square$ , 120  $\square$ , 150  $\square$ , 200  $\square$  and so on, mainly applied to rated voltage and below 0.6/1kV of high-wax oil wells and high-thick wells in thermal recovery operations. The product has characteristics such as stretch resistant, abrasion resistance, high thermal efficiency. This effectively resolves technical challenges in high viscous oil mining as candle, stay at squash, block up well and other technical problems.



#### **Product Features:**

Rated voltage U0/U is 1kV.

When laying down the bending radius doesn't lower than 350mm.

When vertically laying down the tension force doesn't higher than 15KV.

Туре	Description	Rated temperature $^{\circ}\mathbb{C}$
WRCEN3	EPDM insulated and nitrile jacket electric pole cable	90□
WRCEF3	EPDM insulated and PVC jacket electric pole cable	90□
WRCEH3	EPDM insulated and Chlorosulfonated polyethylene jacket electric pole cable	90□
WRCFYJFYJ3	Irradiation XLPE insulated irradiated XLPE jacket electric pole cable	90□
WRCFYJF3	Irradiation XLPE insulated and PVC jacket electric pole cable	90□
WRCYJYJ3	XLPE insulated and XLPE jacket electric pole cable	120□
WRCYJF3	XLPE insulated and PVC jacket electric pole cable	120□
WRCEE3	EPDM insulated and EPDM jacket electric pole cable	150□
WRCF40F403	Ethene□Fluorine ethane insulated and Ethene□Fluorine ethane jacket electric pole cable	150□
WRCF46F463	FEP insulated and FEP jacket electric pole cable	180□
WRCYFF46F463	Polyimide resin –F46 pole insulated and FEP jacket electric pole cable	200□

Rated voltage V	Nominal area of conductor mm²	Number of steel wires/ diameter mm	Number of wires/ diameter mm	Insulation thickness mm	jacket thickness mm	Maximum resistance of conductor at 20 °C ≤ Ω/km	Overall imensions ≤mm
1	25 30 35 40	7/1.00 7/1.10 7/1.25 7/1.30	30/1.03 30/1.13 30/1.25 30/1.30	1.2 1.0 1.0	1.5 1.0 1.0	0.67 0.56 0.46 0.43	¢ 16 ¢ 17 ¢ 18 ¢ 19





# **PVC** insulated power cable

PVC insulated power cable, people refer it to the plastic power cable, which has a simple structure and characteristics of easy installation, maintenance and laying gaps unrestricted etc., the cable is widely used in the field of transmission and distribution with rated voltage of 0.6/1kV, 1.8/3kV and below.

#### **Product Features:**

- 1 The high rated temperature of conductor is  $70\Box$ , when short circuit (the last time must below 5 seconds) the high temperature of conductor not more than  $160\Box$ .
- 2 When laying down cable the environment temperature of cable doesn't low about  $0\square$ .
- 3 The minimum bending radius of cable is as follow ("D" is cable diameter)

	single	e-core	Multicore			
Item	No-armor	armor	No-armor	armorarmor		
Minimum bending radius during installation	20D	15D	15D	12D		
Near to the connection box or cable terminations	15D	12D	12D	10D		

1	Гуре	Description		
Copper core	Aluminum Core	Description		
VV	VLV	PVC insulated and PVC jacket power cable		
VY	VLY	PVC insulated and polyethylene jacket power cable		
VV22	VLV22	PVC insulated and Steel armored PVC jacket power cable		
VV23	VLV23	PVC insulated and steel armored polyethylene jacket power cable		

Туре		Number of cores	Nominal cross-sectional area of conductor mm <sup>2</sup>
VV VY	VLV VLY	1	1.5 ~ 300
VV22 VY23	VLV22 VLY23	l l	
VV VY	VLV VLY	2	1.5 ~ 150
VV22 VY23	VLV22 VLY23	2	
VV VY	VLV VLY	3、4、3+1	1.5 ~ 300
VV22 VY23	VLV22 VLY23	5、4+1、3+2	1.5 ~ 300





# D.C. resistance of conductor

Nominal cross-sectional	D.C. resistance at 20°C ≤ Ω/km		Nominal cross-sectional	D.C. resistance at 20°C≤Ω/km		
area of conductor mm <sup>2</sup>	Cu	Al	area of conductor mm <sup>2</sup>	Cu	Al	
1.5	12.1	18.1	50	0.387	0.641	
2.5	7.41	12.1	70	0.268	0.443	
4	4.61	7.41	95	0.193	0.320	
6	3.08	4.61	120	0.153	0.253	
10	1.83	3.08	150	0.124	0.206	
16	1.15	1.91	185	0.0991	0.164	
25	0.727	1.20	240	0.0754	0.125	
35	0.524	0.868	300	0.0601	0.100	

# A.C voltage test

Rated voltage Uo/U	Test voltage kV	Testing time min
0.6/1	3.5	5
1.8/3	6.5	5







# XLPE insulated power cable

XLPE insulated power cables are generally referred to as cross-linked cable, which has characteristics of high working temperature, transmission capacity, fine electrical performance, unrestricted laying down and convenient installation and maintenance, it is development of directionality of the power cable products, widely used in the field of electricity transmission and distribution with rated voltage of 0.6/1kV, 1.8/3kV and below

#### **Product Features:**

- 1 The high rated temperature of conductor is  $90\Box$ , when short circuit (the last time must below 5 seconds) the high temperature of conductor not more than  $250\Box$ , overload temperature not more than  $130\Box\Box$
- 2 When laying down cable the environment temperature of cable doesn't low about  $0\square$ .
- 3 The minimum bending radius of cable is as follows ("D" is cable diameter)

Item	single	e-core	Multicore		
item	No-armor	armor	No-armor	armor	
Minimum bending radius during installation	20D	15D	15D	12D	
Near to the connection box or cable terminations	15D	12D	12D	10D	

### The product type, name and production range

Table 1 Product type and name

Тур	oe	
Copper core	Aluminum Core	Description
YJV	YJLV	XLPE insulated and PVC jacket power cable
YJY	YJLY	XLPE insulated and polyethylene jacket power cable
YJV22	YJLV22	XLPE insulated and steel armored PVC jacket power cable
YJV23	YJLV23	XLPE insulated and steel armored polyethylene jacket power cable

**Table 2 Production range** 

Туре		Number of cores	Nominal cross-sectional area of conductor mm <sup>2</sup>		
YJV YJY	YJLV YJLY	1	1.5 ~ 240		
YJV YJY	YJLV YJLY	2	2.5 ~ 150		





YJV22 YJY23	YJLV22 YJLY23	0 4 0 4	
YJV YJY	YJLV YJLY	3、4、3+1 5、4+1、3+2	1.5 ~ 240
YJV22 YJY23	YJLV22 YJLY23	0, 4.1, 0.2	

# 1) D.C. resistance of conductor

Nominal cross-sectional area of conductor	D.C. resi 20°C≤	stance at Ω/km	Nominal cross-sectional area of conductor		stance at Ω/km
mm <sup>2</sup>	Cu	AI	mm²	Cu	Al
1.5	12.1	18.1	50	0.387	0.641
2.5	7.41	12.1	70	0.268	0.443
4	4.61	7.41	95	0.193	0.320
6	3.08	4.61	120	0.153	0.253
10	1.83	3.08	150	0.124	0.206
16	1.15	1.91	185	0.0991	0.164
25	0.727	1.20	240	0.0754	0.125
35	0.524	0.868	300	0.0601	0.100

# 2) A.C voltage test

Rated voltage Uo/U	Test voltage kV	Testing time min
0.6/1	3.5	5
1.8/3	6.5	5







# Rated voltage 1kV and below aerial insulated cables

This product is weather-type polyvinyl chloride (PVC), polyethylene (PE) and cross-linked polyethylene (XLPE) insulated aerial cable with Copper and Aluminum Core, which is used in overhead power lines with 1kV rated voltage and lower. Its structure is simple, safe and reliable, not only has excellent conductive properties of power cables overhead cables but also has a strong physical and mechanical properties. As a result of adopting weathering-type insulating material, which compared with the bare cable product has excellent resistance to atmospheric aging properties, this product has characteristics of small laying gap, high reliability and especially used for high-rise buildings, the jungle regions and climatic areas.



#### **Product Features:**

- 1 Rated voltage which is 0.6/1KV.
- 2 The maximum long-term operating temperature of cable: PVC $\square$ polypropylene insulated not more than 70  $\square$ ,XLPE insulated not more than 90  $\square$ .
- 3 Laying temperature of cable doesn't lower than  $-20\Box$ .
- 4 Bending radius of cable: If cable's outside diameter(D) is lower than 25mm, should not lower than 4D. If cable's outside diameter(D) is lower than 25mm, should not lower than 6D.

### Product type, name and production range

Туре	Description	Nominal cross-sectional area of conductor (mm²)
JKV-0.6/1	Rated voltage 0.6/1kv copper core PVC insulated aerial cable	
JKLV-0.6/1	Rated voltage 0.6/1kv AL- core PVC insulated aerial cable	
JKYJ-0.6/1	Rated voltage 0.6/1kv copper core XLPE insulated aerial cable	
JKLYJ-0.6/1	Rated voltage 0.6/1kv AL-core PVC insulated aerial cable	16 ~ 240
JKY-0.6/1	Rated voltage 0.6/1kv soft copper core PVC insulated aerial cable	
JKLY-0.6/1	Rated voltage 0.6/1kv AL-core polyethylene insulated aerial cable	





Nominal cross -sectional	appr.		r. weight g/km	D.C. r	resistance (Ω/km)			strength N) ≤
area of conductor	OD mm	Copper	Aluminum Core	Hard Copper core	Soft Copper core	Aluminum Core	Hard Copper core	Aluminum Core
16	7.6	167.6	69.3	1.198	1.150	1.910	5486	2517
25	8.8	258.7	98.0	0.749	0.727	1.200	8465	3762
35	10.1	341.9	129.3	0.540	0.524	0.868	11731	5177
50	11.3	461.7	168.8	0.399	0.387	0.641	16502	7011
70	13.0	662.9	234.1	0.276	0.268	0.443	23461	10354
95	15.0	894.3	314.2	0.199	0.193	0.320	31759	13727
120	16.4	1116.8	385.4	0.158	0.153	0.253	39911	17339
150	18.3	1393.3	480.4	0.128	1	0.206	49505	21033
185	20.5	1763.1	605.9	0.1021	1	0.164	61846	26732
240	22.9	2223.4	760.9	0.0777	1	0.125	79823	34679

# Rated voltage 10kV overhead insulated cable

This product is weather-type polyethylene (PE) and cross-linked polyethylene (XLPE) insulated aerial cable with Copper and Aluminum Core, which is used in overhead power lines with 10kV rated voltage and lower.

Its structure is simple, safe and reliable, not only has excellent conductive properties of power cables overhead cables but also has a strong physical and mechanical properties. As a result of adopting the weathering-type insulating material, compared with the bare cable product has excellent resistance to atmospheric aging properties, as, this product has characteristics of small laying gap, high reliability and especially used for high-rise buildings, the jungle regions and climatic areas.



#### **Product Features:**

- 1 Rated voltage is 10KV.
- 2 Laying temperature of cable doesn't lower than -20□
- 3 The highest temperature of cable when short circuit (the longest duration should not exceed 5 seconds): XLPE insulated withstand temperature is  $250\Box$ ; HDPE insulated withstand temperature is  $150\Box$ .





- 4 The maximum long-term operating temperature of cable: XLPE insulated withstand is  $90\Box$ ; HDPE insulated withstand temperature is  $75\Box$ .
- 5 Bending radius of cable doesn't lower than cylinder diameter in cable bending testing.

# The product type , name and production range

Type	Description	Nominal cross-sectional area of conductor (mm²)
JKYJ	Copper core XLPE insulated aerial cable	
JKTRYJ	Soft copper core XLPE insulated aerial cable	
JKLYJ	AL- core XLPE insulated aerial cable	
JKY	Copper core XLPE insulated aerial cable	16 ~ 240
JKTRY	Soft copper core polyethylene insulated aerial cable	
JKLY	AL- core polyethylene insulated aerial cable	
JKLYJ/Q	AL-core light type XLPE insulated aerial cable	
JKLY/Q	AL-core light type polyethylene insulated aerial cable	16 ~ 240

Nominal cross-sectional area of conductor	appr. appr. weight oD kg/km				resistand C (Ω/km)		Rated s	trength ) ≤
(mm²)	mm	Cu	Al	Hard Cu	Soft Cu	Al	Hard Cu	Al
10	12.3	185.3	123.4	1	1.830	3.080	3471	1650
16	13.2	249.8	151.5	1	1.150	1.910	5486	2512
25	14.4	352.4	190.7	0.749	0.727	1.200	8465	3762
35	15.3	436.2	223.6	0.540	0.524	0.868	11731	5177
50	16.5	565.3	272.4	0.399	0.387	0.641	16502	7011
70	18.2	779.4	350.7	0.276	0.268	0.443	23461	10354
95	19.8	1021.2	441.0	0.199	0.193	0.320	31759	13727
120	21.2	1254.0	522.6	0.158	0.153	0.253	39911	17339
150	22.7	1531.2	618.3	0.128	1	0.206	49505	21033
185	24.9	1901.5	744.3	0.1021	1	0.164	61846	26732
240	26.9	2361.2	898.7	0.0777	1	0.125	79823	34679





### **Aluminum stranded conductor and Aluminum**

Stranded aluminum and ACSR have a simple structure, easy setting up and maintenance , low construction cost, large transmission capacity, but also conducive to cross rivers and valleys and other features of the laying of the special geographical conditions, so the products are widely used in various voltage levels overhead transmission and distribution lines.

### **Product Features:**

Туре	Description	Code number (mm²)
JL	Aluminum stranded	10 ~ 500
JL/G1A、JL/G1B、JL/G2A、 JL/G2B、JL/G3A	Conductor and aluminum	16 ~ 315



### **Product Specifications:**

# The type of JL Stranded aluminum

Code numbe mm	Number of wires/diameter mm	Area mm	Cond. diameter mm	Linear mass (kg/km)	Rated strength (kN)	D.C. resistance at 20°C (Ω/km) ≤
10	7/1.35	10	4.05	27.4	1.95	2.8633
16	7/1.71	16	5.12	43.8	3.04	1.7896
25	7/2.13	25	6.40	68.4	4.50	1.1453
40	7/2.70	40	8.09	109.4	6.80	0.7158
63	7/3.39	63	10.2	172.3	10.39	0.4545
100	19/2.59	100	12.9	274.8	17.00	0.2877
125	19/2.89	125	14.5	343.6	21.25	0.2302
160	19/3.27	160	16.4	439.8	26.4	0.1798
200	19/3.66	200	18.3	549.7	32.00	0.1439
250	19/4.09	250	20.5	687.1	40.00	0.1151
315	37/3.26	315	23.0	867.9	51.97	0.0916
400	37/3.71	400	26.0	1102.0	64.00	0.0721
450	37/3.94	450	27.5	1239.8	72.00	0.0641
500	37/4.15	500	29.0	1377.6	80.00	0.0577





JL/G1A, JL/G1B, JL/G2A, JL/G2B, JL/G3AACSR type

0,	Steel		Area		Number of wires	ber	Wire diameter	re	diameter	neter	Linear		Rati	Rated strength	gth		20°C Ω/km
ָרֶ מַ °`	ratio %	A	St	Total	¥	St	A	St	Core	Cond	mass kg/km	JL G1A	ال G	JL G2A	JL G2B	JL G3A	D.C. resistance
			mm <sup>2</sup>				mm	T.	E	mm				K			
	17	16	2.67	18.7	9	_	1.84	1.84	1.84	5.53	64.6	80.9	5.89	6.45	6.27	6.83	1.793 4
	17	25	4.17	29.2	9	~	2.30	2.30	2.30	6.91	100.9	9.13	8.83	9.71	9.42	10.25	1.147 8
	17	40	6.67	46.7	9	_	2.91	2.91	2.91	8.74	161.5	14.40	13.93	15.33	14.87	16.20	0.717 4
	17	63	10.5	73.5	9	_	3.66	3.36	3.66	11.0	254.4	21.63	20.58	22.37	21.63	24.15	0.455 5
	17	100	16.7	117	9	_	4.61	4.61	4.61	13.8	403.8	34.33	32.67	35.50	34.33	38.33	0.286 9
	9	125	6.94	132	18	_	2.97	2.97	2.97	14.9	397.9	29.17	28.68	30.14	29.65	31.04	0.230 4
	16	125	20.4	145	26	7	2.47	1.92	5.77	15.7	503.9	45.69	44.27	48.54	47.12	51.39	0.2310
	9	160	8.89	169	18	_	3.66	3.36	3.36	16.8	509.3	36.18	35.29	37.42	26.80	38.67	0.1800
	16	160	26.1	186	26	7	2.80	2.18	6.53	17.7	644.9	57.69	55.86	61.34	59.51	64.99	0.180 5
	9	200	11.1	211	18	_	3.76	3.76	3.76	18.8	636.7	44.22	43.11	45.00	44.22	46.89	0.144 0
	16	200	32.6	233	26	7	3.13	2.43	7.30	19.8	806.2	70.13	67.85	74.69	72.41	78.93	0.144 4
	10	250	24.6	275	22	7	3.80	2.11	6.34	21.6	9.088	68.72	67.01	72.16	70.44	75.60	0.1154
	16	250	40.7	291	26	7	3.50	2.72	8.16	22.2	1 007.7	87.67	84.82	93.37	90.52	98.66	0.1155
	7	315	21.8	337	45	7	2.99	1.99	2.97	23.9	1 039.6	79.03	77.51	82.08	80.55	85.13	0.0917
	16	315	51.3	366	26	7	3.93	3.05	9.16	24.9	1 269.7	106.83	101.70	114.02	110.43	121.20	0.0917

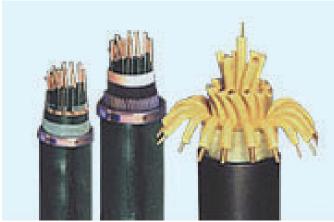




# **Plastic Insulated Control Cable**

This product is applicable to AC rated voltage 450/750V and below control, monitoring and protection circuit lines, etc. to control the use of cables occasions.





### **Product Features:**

		PVC	XLPE
Uo/U rate	ed voltage	450/750V	450/750V
The lay down temperat	ture of cable conductor ation	<b>70</b> ℃	90℃
The lay down tem	perature of cable	Not below 0°C	Not below 0℃
The law wind diameter	No-armor cable	Not less than 6 external diameter of cable	Not less than 10 external diameter of cable
The lay wind diameter	Armor cable	Not less than 12 external diameter of cable	Not less than 12 external diameter of cable

# The type product, name

Туре	Description
KVV	Copper core PVC insulated and PVC jacket control cable
KYJV	Copper core XLPE insulated and PVC jacket control cable
KVV22	Copper core PVC insulated and PVC jacket steel armored control cable
KYJV22	Copper core XLPE insulated and PVC jacket steel armored control cable





	Rated voltage	Nominal cross-sectional area of conductor mm <sup>2</sup>						
Туре		0.75	1.0	1.5	2.5	4	6	10
		Number of cores						
KVV, KYJV	450/750		2 ~ 37		2 ~ 14		2 ~ 10	
KVV22、KYJV22			7 ~ 37 4 ~ 37		4 ~	14	4 ~ 10	

# **Production Range**

Nominal cross-sectional	Construction		Maximum resistance of conductor at 20 ℃		
area of conductor mm <sup>2</sup>	Class	Number of wires/diameter mm	Plain wires	Metal-coated wires	
0.75	1	1/0.97	24.5	24.8	
	2	7/0.37	24.5	24.8	
	3	24/0.20	26.0	26.7	
1.0	1	1/1.13	18.1	18.2	
	2	7/0.43	18.1	18.2	
	3	32/0.20	19.5	20.0	
1.5	1	1/1.38	12.1	12.2	
	2	7/0.52	12.1	12.2	
	3	30/0.25	13.3	13.7	
2.5	1	1/1.78	7.41	7.56	
	2	7/0.68	7.41	7.56	
	3	50/0.25	7.98	8.21	
4	1	1/2.25	4.61	4.70	
	2	7/0.85	4.61	4.70	
6	1	1/2.76	3.08	3.11	
	2	7/1.04	3.08	3.11	
10	2	7/1.35	1.83	1.84	





# Rated voltage 450/750V and below PVC insulated cable (wire)

This product is applicable to the electrical equipment with U0 / U is 450/750V and lower, power and other devices for power supply arrangements for connection with the laying of lines for household electrical appliances, small electric tools, instrumentation and lighting and so on occasions.



#### **Product Features:**

- 1 Rated voltage which is 450/750V = 300/500V and 300/300V.
- 2 The conductor of cable operation temperature: BV-90 no more than  $90\Box$ , other type no more than  $70\Box$ .
- 3 For fixation lay down cable, temperature not below 0□. If external diameter no more than 25mm, the bending diameter not less than 4 external diameter of cable; If external diameter not below 25mm, the bending diameter not less than 4 external diameter of cable.

#### The product type, name

Туре	Description	Standard		
60227 IEC 01(BV)	General-purpose single-core hard conductor cable without sheath			
60227 IEC 02(RV)	General-purpose single-core soft conductor cable without sheath			
60227 IEC 05(BV)	Single-core solid conductor with $70^\circ\!$			
60227 IEC 06(RV)	0227 IEC 06(RV) Single-core soft conductor with 70 ℃ cable without sheath using in internal wiring			
60227 IEC 07(BV-90)	9.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5			
60227 IEC 08(RV-90)	3			
60227 IEC 10(BVV)	227 IEC 10(BVV) Light-type PVC jacket cable			
60227 IEC 42(RVB)	7 IEC 42(RVB) Flat non-jacket soft wire			
60227 IEC 52(RVV)	0227 IEC 52(RVV) Light-type PVC jacket soft wire			
60227 IEC 53(RVV)	Normal PVC jacket soft wire			





BV	Copper core PVC insulated wire	
BLV	Al-core PVC insulated wire	
BVR	Copper core PVC insulated soft wire	
BVV	Copper core PVC insulated and PVC jacket round cable	
BLVV	AL-core PVC insulated and PVC jacket round cable	
BVVB	Copper core PVC insulated and PVC jacket flat cable	JB 8734—1998
BLVVB	AL-core PVC insulated and PVC jacket flat cable	
RVS	Copper core PVC insulated twist-type connections soft wire	
RVP	Copper core PVC insulated Shield soft wire	
RVP-90	Copper core with 90 ℃ PVC insulated shield soft wire	
RVVP	Copper core PVC insulated shield PVC jacket soft cable	

Туре	Rated voltage V	Number of cores		
60227 IEC 01(BV)	450/750	1	1.5 ~ 240	GB/T 5023—008
60227 IEC 02(RV)	450/750	1	1.5 ~ 240	
60227 IEC 05(BV)	300/500	1	0.5 ~ 1	
60227 IEC 06(RV)	300/500	1	0.5 ~ 1	
60227 IEC 07(BV-90)	300/500	1 0.5 ~ 2.5		
60227 IEC 08(RV-90)	300/500	1	0.5 ~ 2.5	
60227 IEC 10(BVV)	300/500	2,3,4,5	1.5 ~ 35	
60227 IEC 42(RVB)	300/300	2	0.5 ~ 0.75	
60227 IEC 52(RVV)	300/300	2,3	0.5 ~ 0.75	
60227 IEC 53(RVV)	300/500	2,3,4,5	0.75 ~ 6	
BV	300/500	1	0.75 ~ 1	JB 8734—1998
BLV	450/750	1	2.5 ~ 240	
BVR	450/750	1	2.5 ~ 70	
BVV	300/500	1	0.75 ~ 10	
BLVV	300/500	1	2.5 ~ 10	
BVVB	300/500	2,3	0.75 ~ 10	
BLVVB	300/500	2,3	2.5 ~ 10	
RVS	300/300	2	0.5 ~ 0.75	
RVP、RVP—90	300/300	1,2	0.08 ~ 2.5	
RVVP	300/300	1,2 ~ 24*	0.3 ~ 2.5	
Core number:4、5	5、6、7、10、12、 <sup>2</sup>	14、16、19 and 24.		





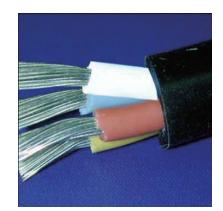
# Rubber insulated flexible cable of rated voltage up to and including 450/750V

(Universal rubber-sheathed flexible cable)

This product is for AC rated voltage (U0 / U) 450/750V and below power, home appliances and portable electrical equipment and tools for cable.

### **Product Features:**

- $1\,$  The environment temperature of cable doesn't more than about  $65\,\square$  .
- 2 "W"-type derived from cable has a certain climate and certain oil-resistant capacity, suitable for outdoor or direct contact with oil occasions.



Туре	Description	Rated voltage	Number of cores	Nominal cross- sectional area of conductor mm <sup>2</sup>
60245 IEC 53 (YZ)	Normal Strength rubber-sheathed flexible cable	300/500	2, 3, 4, 5	0.75~2.5
60245 IEC 57 (YZW)	common neoprene or other equivalent synthetic elastomer insulated flexible cable	300/500	2, 3, 4, 5	0.75~2.5
60245 IEC 66 (YCW)	Heavy-duty neoprene or other equivalent synthetic elastomer rubber-sheathed flexible cable	450/750	1 2 3 4 5	1.5~400 1~25 1~95 1~150 1~25
YZ、YZW	Medium rubber-sheathed flexible cable	300/500	2, 3, 4, 5 4(三大一小) 6	4~6 1.5~6 0.75~6
YC	Heavy rubber-sheathed flexible cable	450/750	1 2 3,4 5 4(三大一小)	1.5~400 1.5~95 1.5~150 1.5~25 2.5~150
YCW	Heavy rubber-sheathed flexible cable	450/750	2 3 4(三大一小)	35~95 120~150 2.5~150
YH	Rubber welding cable	200/400	1	10~185
YHF	Neoprene or other equivalent synthetic elastomer rubber welding cable	200/400	1	10~185