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Power Cable

CECEC Nanjing Electric Co., Ltd.

Nanjing - China

目　　录

Contents

电力电缆 Power Cable

交联聚乙烯绝缘电力电缆
XLPE Insulated Power Cable

一、额定电压1kV(Um=1.2kV)和35kV(Um=40.5kV)挤包绝缘电力电缆及附件

二、使用特性

工作温度

导体最高额定工作温度90℃

导体短路温度：

最高温度不得超过250℃，最长时间不超过5秒

弯曲半径：

单芯电缆最小弯曲半径：20D

多芯电缆最小弯曲半径：15D

D=电缆试样的实际外径（mm）

敷设温度：

电缆敷设温度不低于0℃

计算电缆载流量采用敷设方式和基准参数：

空气中敷设：环境温度40℃

土壤中敷设：环境温度25℃

土壤热阻系数为1.0K·m/W

单芯电缆排列方式为平面排列形（相邻间距等于电缆外径）

2. Service performance

Operating temperature

Max. Permissible continuous operating temperature of Conductors shall not exceed 90℃

Conductor Short circuit temperature

Not exceeding 250℃. Max. Sustaining period: Not exceeding 5 seconds.

Bending radius:

Bending radius of single core cable: 20D

Bending radius multi-core cable: 15D

D=Actual overall diameter of cable sample(mm)

Installation temperature:

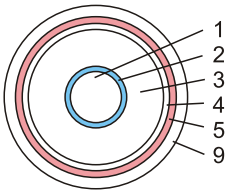
The lowest temperature of installation is 0℃.

Current ratings and basic parameters are calculated under the following cable laying conditions and basic ambient temperature.

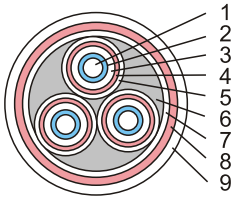
method of laying	Basic ambient temperature
In air	40 ℃
Directburial	25℃
	Soil thermal resistivity 1.0K·m/W

Layout of single core cables: In parallel (Spacing side by side: 1D D=overall diameter)

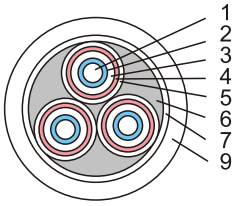
三、产品结构示意图 Constructed Profiles of the Products



3.6/6kV及以上单芯无铠装YJV YJLV
Single-core non-armoured YJV YJLV



3.6/6kV及以上三芯带铠装YJV YJLV
Three-core steel tape armoured YJV YJLV



3.6/6kV及以上三芯无铠装YJV YJLV
Three-core non-armoured YJV YJLV

1、导体 Conductor
2、导体屏蔽 Conductor Screen
3、交联聚乙烯绝缘 XLPE Insulation
4、绝缘屏蔽 Insulation
5、金属屏蔽 Metallic Screen
6、填充 Fille
7、隔离带（内护层） Sperating Sheath (Inner Covering)
8、铠装 Armour
9、外护套 Oversheath

注：额定电压Uo为3.6kV以下电缆无导体屏蔽和绝缘电缆。

Note: For cables Uo lower than 3.6kV, no conductor screen and insulation screen are appulied.

四、生产范围 Scope of cables

表1 Table 1

型号 TYPE	芯数 No. Of cores	额电电压 Rated voltange(kv) 06/1	1.8/3	3.6/6	6/6 6/10	8.7/10 8.7/15
		导电线芯标称截面 Nominal area of conductor (mm)				
YJV YJLV	1，2，3，3+1，3+2 4+1，5	1.5-400	10-400	25-400	25-400	25-400
		1.5-300	-	-	-	-
YJV22 YJLV22		1.5-300	10-300	25-300	25-300	25-300
		1.5-300	-	-	-	-
		1.5-300	-	-	-	-
		4-300	-	-	-	-
YJV32 YJLV32		4-300	10-300	25-300	25-300	25-300
		4-300	-	-	-	-
		4-300	-	-	-	-
		10-300	-	25-300	25-300	25-300
		4-300	-	25-300	25-300	25-300
		2.5-300	-	-	-	-
		2.5-300	-	-	-	-
		2.5-300	-	-	-	-

交联聚乙烯绝缘电力电缆
XLPE Insulated Power Cable

五、型号、名称及用途
Type, description and main applications

表2 Table 2

型号 TYPE	名称 Description	适用范围 Main application
YJV YJLV	铜芯或铝芯交联聚乙烯绝缘聚氯乙烯护套电力电缆 Cu or Al conductor XLPE insulated PVC Sheath Power cable	适用于室内外敷设，可经受一定的敷设牵引，但不能承受一定机械外力作用的场合。单芯电缆不允许敷设在磁性管道中。 For laying indoor and outdoor, unable to bear external mechanical force but the tractive force during laying. Laying Single core cable in magnetic duct is not permissble
YJV22 YJLV22	铜芯或铝芯交联聚乙烯绝缘钢带铠装聚氯乙烯护套电力电缆 Cu orAl conductor XLPE insulated steel tape armored PVC sheathed power cable	适用于埋地敷设，能承受机械外力作用，但不能承受大的拉力。 For laying underground, able to bear external mechanical force, but unable to bear large pulling force
YJV32 YJLV32	铜芯或铝芯交联聚乙烯绝缘细钢丝铠装聚氯乙烯护套电力电缆 Cu or Al conductor XLPE insulated thin steel wire armoured PVC sheathed power cable	适用于埋地、竖井和水下敷设，能承受一定的拉力。 For laying under ground, vertical well, or underwater, able to bear certain pulling force.

单芯交联聚乙烯绝缘聚氯乙烯护套电力电缆
Single-core XLPE Insulated PVC Sheathed Power Cable

额电电压 AC Rated Voltage	标称截面 Nom. Cross-section mm^2	绝缘标称厚度 Nom. insulation thickness mm	护套标称厚度 Nom. sheath thickness mm	电缆近似外径 Approx OD of cable mm	电缆近似重量 Approx weight of cable kg/km		20℃导体最大直流电阻 Max.DC Resistance of Conductor at 20℃ Ω/km		电缆载流量 Current Rating(A)			
									土壤敷设 Direct in ground		空气敷设 Run in air	
					YJV	YJLV	铜Cu	铝 Al	铜芯Cu	铝芯 Al	铜芯Cu	铝芯 Al
0.6/1kv	1.5	0.7	1.4	6	46	37	12.1	-	45	-	32	-
	2.5	0.7	1.4	7	58	43	7.41	12.1	59	46	42	33
	4	0.7	1.4	7	75	50	4.61	7.41	77	61	56	44
	6	0.7	1.4	8	97	60	3.08	4.61	97	79	70	57
	10	0.7	1.4	9	144	82	1.83	3.08	130	100	97	75
	16	0.7	1.4	10	205	106	1.15	1.91	170	135	125	99
	25	0.9	1.4	12	303	148	0.727	1.20	220	170	165	125
	35	0.9	1.4	13	402	185	0.524	0.868	265	205	200	155
	50	1.0	1.4	14	553	243	0.387	0.641	320	245	245	190
	70	1.1	1.4	16	750	316	0.268	0.443	395	305	305	240
	95	1.1	1.5	18	997	409	0.193	0.320	475	370	375	290
	120	1.2	1.5	20	1242	499	0.153	0.253	545	420	435	340
	150	1.4	1.6	22	1548	620	0.124	0.206	610	475	500	390
	185	1.6	1.7	24	1894	750	0.0991	0.164	695	540	580	450
	240	1.7	1.8	27	2432	948	0.0754	0.125	810	630	685	535
	300	1.8	1.8	30	3019	1162	0.0601	0.100	910	710	795	615
	400	2.0	2.0	33	3937	1523	0.0470	0.0778	1050	820	930	730
1.8/3kv	10	2.0	1.4	16	296	234	1.83	3.08	130	100	97	75
	16	2.0	1.4	17	370	271	1.15	1.91	170	135	125	99
	25	2.0	1.5	18	485	330	0.727	1.20	220	170	165	125
	35	2.0	1.5	19	600	382	0.524	0.868	265	205	200	155
	50	2.0	1.6	21	753	454	0.387	0.641	320	245	245	190
	70	2.0	1.6	23	972	548	0.268	0.443	395	305	305	240
	95	2.0	1.7	24	1237	668	0.193	0.320	475	370	375	290
	120	2.0	1.7	26	1507	768	0.153	0.253	545	420	435	340
	150	2.0	1.8	27	1806	890	0.124	0.206	610	475	500	390
	185	2.0	1.8	29	2169	1030	0.0991	0.164	695	540	580	450
	240	2.0	1.9	32	2735	1249	0.0754	0.125	810	630	685	535
	300	2.0	2.0	34	3337	1480	0.0601	0.100	910	710	795	615
	400	2.0	2.1	37	4228	1814	0.047	0.0778	1050	820	930	730

单芯交联聚乙烯绝缘聚氯乙烯护套电力电缆
Single-core XLPE Insulated PVC Sheathed Power Cable

额定电压 AC Rated Voltage	标称截面 Nom. Cross-section mm²	绝缘标称厚度 Nom. Insulation thickness mm	护套标称厚度 Nom. Sheath thickness mm	电缆近似外径 Approx OD of cable mm	电缆近似重量 Approx weight of cable kg/km		20℃导体最大直流电阻 Max.DCResistance of Conductor at 20℃ Ω/km		电缆载流量 Current Rating (A)			
									土壤敷设 Direct in ground		空气敷设 Run in air	
					YJV	YJLV	铜Cu	铝Al	铜芯Cu	铝芯Al	铜芯Cu	铝芯Al
3.6/6kv	25	2.5	1.5	20	515	360	0.727	1.20	160	120	165	130
	35	2.5	1.5	21	629	412	0.524	0.868	190	145	205	155
	50	2.5	1.6	22	802	492	0.387	0.641	225	175	245	190
	70	2.5	1.7	24	1020	587	0.268	0.443	275	215	305	235
	95	2.5	1.7	26	1293	705	0.193	0.320	330	255	370	290
	120	2.5	1.8	27	1551	808	0.153	0.253	375	290	430	335
	150	2.5	1.8	29	1866	937	0.124	0.206	425	330	490	380
	185	2.5	1.8	31	2219	1074	0.0991	0.164	480	370	560	435
	240	2.6	1.9	33	2789	1303	0.0754	0.125	555	435	665	515
	300	2.8	2.0	36	3421	1564	0.0601	0.100	630	490	765	595
	400	3.0	2.1	40	4580	2165	0.047	0.0778	725	565	890	695
6/6kv 6/10kv	25	3.4	1.6	22	578	423	0.727	1.200	160	120	165	130
	35	3.4	1.6	23	702	485	0.524	0.868	190	145	205	155
	50	3.4	1.7	24	871	561	0.387	0.641	225	175	245	190
	70	3.4	1.7	26	1105	672	0.268	0.443	275	215	305	235
	95	3.4	1.8	28	1372	784	0.193	0.320	330	255	370	290
	120	3.4	1.8	29	1645	902	0.153	0.253	375	290	430	335
	150	3.4	1.8	31	1955	1026	0.124	0.206	425	330	490	380
	185	3.4	1.9	33	2325	1180	0.0991	0.164	480	370	560	435
	240	3.4	2.0	35	2900	1414	0.0754	0.125	555	435	665	515
	300	3.4	2.0	37	3493	1636	0.0601	0.100	630	490	765	595
8.7/10kv 8.7/15kv	25	4.5	1.6	24	671	516	0.727	1.200	160	120	165	130
	35	4.5	1.7	25	801	584	0.524	0.868	190	145	205	155
	50	4.5	1.7	26	975	666	0.387	0.641	225	175	245	190
	70	4.5	1.8	28	1204	771	0.268	0.443	275	215	305	235
	95	4.5	1.8	30	1489	901	0.193	0.320	330	255	370	290
	120	4.5	1.9	32	1769	1026	0.153	0.253	375	290	430	335
	150	4.5	1.9	33	2085	1157	0.124	0.206	425	330	490	380
	185	4.5	2.0	35	2461	1316	0.0991	0.164	480	30	560	435
	240	4.5	2.0	37	3022	1536	0.0754	0.125	555	435	665	515
	300	4.5	2.1	40	3649	1792	0.0601	0.100	630	490	765	595
	400	4.5	2.2	43	4632	2218	0.0470	0.0778	725	565	890	695

二芯交联聚乙烯绝缘聚氯乙烯护套电力电缆
Two-core XLPE Insulated PVC Sheathed Power Cable

额定电压 AC Rated Voltage	标称截面 Nom. Cross-section mm²	绝缘标称厚度 Nom. insulation thickness mm	铠装钢带厚度 Steel tape thickness mm	护套标称厚度 Nom. sheath thickness mm		电缆近似外径 Approx OD of cable mm		电缆近似重量 Approx weight of cable kg/km				20℃导体最大直流电阻 Max.DCResistance of Conductor at 20℃ Ω/km		电缆载流量 Current Rating (A)			
														土壤敷设 Direct in ground		空气敷设 Run in air	
				YJV YJLV	YJV22 YJLV22	YJV YJLV	YJV22 YJLV22	YJV	YJLV	YJV22	YJLV22	铜Cu	铝Al	铜芯Cu	铝芯Al	铜芯Cu	铝芯Al
0.6/1kv	1.5	0.7	-	1.8	-	11	-	133	144	-	-	12.1	20.16	30	-	25	-
	2.5	0.7	-	1.8	-	13	-	142	122	-	-	7.41	12.1	40	32	30	25
	4	0.7	0.2	1.8	1.8	14	17	183	133	342	292	4.61	7.41	55	45	42	32
	6	0.7	0.2	1.8	1.8	15	18	233	160	406	333	3.08	4.61	65	50	53	42
	10	0.7	0.2	1.8	1.8	17	20	339	214	538	414	1.83	3.08	90	70	70	55
	16	0.7	0.2	1.8	1.8	19	22	477	279	702	504	1.15	1.91	110	90	92	75
	25	0.9	0.2	1.8	1.8	23	26	702	392	969	659	0.727	1.20	140	120	128	100
	35	0.9	0.2	1.8	1.8	25	28	919	485	1412	778	0.524	0.868	180	140	160	130
	50	1.0	0.2	1.8	1.8	28	31	1255	635	1586	965	0.387	0.641	210	160	190	150
	70	1.1	0.5	1.8	2.0	32	36	1700	832	2452	1584	0.268	0.443	250	200	250	190
	95	1.1	0.5	2.0	2.1	35	40	2254	1076	3074	1896	0.193	0.320	285	230	300	240
	120	1.2	0.5	2.1	2.2	39	44	2810	1322	3710	2221	0.153	0.253	330	260	350	20
	150	1.4	0.5	2.2	2.4	43	48	3507	1646	4562	2701	0.124	0.206	375	300	400	330
	185	1.6	0.5	2.3	2.6	48	53	4302	2007	5488	3193	0.0991	0.164	420	340	460	370
	240	1.7	0.5	2.5	2.7	54	59	5512	2535	7055	3877	0.0754	0.125	500	400	550	440
	300	1.8	0.5	2.7	2.8	59	64	6842	3121	8298	4576	0.0601	0.100	580	510	600	560

三芯交联聚乙烯绝缘聚氯乙烯护套电力电缆
Three-core XLPE Insulated PVC Sheathed Power Cable

额定电压 AC Rated Voltage	标称截面 Nom. Cross-section mm^2	绝缘标称厚度 Nom. insulation thickness mm	铠装钢带厚度 Steel tape thickness mm	护套标称厚度 Nom. sheath thickness mm		电缆近似外径 Approx OD of cable mm		电缆近似重量 Approx weight of cable kg/km				20℃导体最大直流电阻 Max.DCResistance of Conductor at 20℃ Ω/km		电缆载流量 Current Rating (A)			
														土壤敷设 Direct in ground		空气敷设 Run in air	
				YJV YJLV	YJV22 YJLV22	YJV YJLV	YJV22 YJLV22	YJV	YJLV	YJV22	YJLV22	铜Cu	铝Al	铜芯Cu	铝芯Al	铜芯Cu	铝芯Al
0.6/1kv	1.5	0.7	-	1.8	-	11	-	150	112	-	-	12.1	20.16	27	-	20	-
	2.5	0.7	-	1.8	-	14	-	173	127	-	-	7.41	12.1	35	27	26	20
	4	0.7	0.2	1.8	1.8	14	18	227	152	394	319	4.61	7.41	45	36	34	27
	6	0.7	0.2	1.8	1.8	15	19	296	186	477	367	3.08	4.61	57	46	43	35
	10	0.7	0.2	1.8	1.8	18	21	440	254	649	464	1.83	3.08	77	59	60	47
	16	0.7	0.2	1.8	1.8	20	23	633	336	870	573	1.15	1.91	105	80	83	64
	25	0.9	0.2	1.8	1.8	24	27	944	479	1226	762	0.727	1.20	125	100	105	82
	35	0.9	0.2	1.8	1.8	26	29	1254	602	1559	907	0.524	0.868	155	120	125	100
	50	1.0	0.2	1.8	1.9	29	33	1649	718	2091	1160	0.387	0.641	185	145	160	125
	70	1.1	0.5	1.9	2.1	34	38	2370	1067	3171	1867	0.268	0.443	225	175	200	155
	95	1.1	0.5	2.0	2.2	38	42	3135	1366	4026	2257	0.193	0.320	270	210	245	200
	120	1.2	0.5	2.1	2.3	41	46	3927	1692	4928	2693	0.153	0.253	310	240	285	220
	150	1.4	0.5	2.3	2.4	46	51	4710	1917	6017	3224	0.124	0.206	345	270	325	250
	185	1.6	0.5	2.4	2.7	51	56	6065	2612	7351	3906	0.0991	0.164	390	305	375	295
	240	1.7	0.5	2.6	2.8	57	63	7744	3275	9178	4709	0.0754	0.125	450	355	440	345
	300	1.8	0.5	2.8	3.0	63	68	9602	4016	11209	5623	0.0601	0.100	515	400	505	395
1.8/3kv	10	2.0	0.5	1.8	2.0	26	29	650	444	1300	1093	1.83	3.08	77	59	60	47
	16	2.0	0.5	1.9	2.1	28	31	1100	802	1607	1308	1.15	1.91	105	80	83	64
	25	2.0	0.5	2.0	2.1	31	34	1446	980	1990	1525	0.727	1.20	125	100	105	82
	35	2.0	0.5	2.1	2.2	33	36	1849	1198	2440	1789	0.524	0.868	155	120	125	100
	50	2.0	0.5	2.2	2.3	37	39	2367	1469	3013	2115	0.387	0.641	185	45	160	125
	70	2.0	0.5	2.3	2.4	41	43	3107	1832	3827	2551	0.268	0.443	225	175	200	155
	95	2.0	0.5	2.4	2.6	45	47	3991	2227	4807	3043	0.193	0.320	270	210	245	200
	120	2.0	0.5	2.5	2.7	48	51	4867	2642	5747	3522	0.153	0.253	310	240	285	220
	150	2.0	0.5	2.6	2.8	52	55	5794	3038	6745	3989	0.124	0.206	345	270	325	250
	185	2.0	0.5	2.7	2.9	57	59	7000	3591	8035	4626	0.0991	0.164	390	305	375	295
	240	2.0	0.5	2.9	3.1	62	65	8792	4324	9932	5463	0.0754	0.125	450	355	440	345
	300	2.0	0.5	3.0	3.2	67	70	10842	5256	12082	6496	0.0601	0.100	515	400	505	395
3.6/6kv	25	2.5	0.5	2.1	2.2	38	42	1786	4386	2745	2380	0.727	1.20	125	100	120	90
	35	2.5	0.5	2.1	2.3	40	45	2041	1389	3023	2371	0.524	0.868	155	120	140	110
	50	2.5	0.5	2.2	2.4	43	48	2554	1623	3608	2677	0.387	0.641	180	140	165	130
	70	2.5	0.5	2.3	2.5	47	52	3282	1978	4452	3148	0.268	0.443	220	170	210	165
	95	2.5	0.5	2.5	2.6	51	56	4180	2411	5421	3652	0.193	0.320	265	210	255	200
	120	2.5	0.5	2.6	2.8	54	59	5041	2806	6410	4176	0.153	0.253	300	235	290	225
	150	2.5	0.5	2.7	2.9	58	63	6035	3242	7523	4730	0.124	0.206	340	260	330	255
	185	2.5	0.5	2.8	3.0	62	67	7149	3704	8758	5313	0.0991	0.164	380	300	375	295
	240	2.5	0.5	3.0	3.2	68	74	8993	4542	10749	6280	0.0754	0.125	435	345	435	345
	300	2.5	0.5	3.1	3.3	74	80	11055	5469	13009	7423	0.0601	0.100	485	395	495	390
6/6kv 6/10kv	25	3.4	0.5	2.2	2.4	42	48	1886	1421	2900	2444	0.727	1.20	125	100	120	90
	35	3.4	0.5	2.3	2.4	44	49	2307	1652	3377	2726	0.524	0.868	155	120	140	110
	50	3.4	0.5	2.4	2.5	47	52	2889	1958	4059	3127	0.387	0.641	180	140	165	130
	70	3.4	0.5	2.5	2.7	51	57	3647	2344	4959	3654	0.268	0.443	220	170	210	165
	95	3.4	0.5	2.6	2.8	55	61	5119	3351	6522	4753	0.193	0.320	265	210	255	200
	120	3.4	0.5	2.7	2.9	58	64	5412	3178	6923	4689	0.153	0.253	300	235	290	225
	150	3.4	0.5	2.8	3.0	62	68	6402	3609	7106	4313	0.124	0.206	340	260	330	255
	185	3.4	0.5	2.9	3.1	66	72	7563	4118	9321	5876	0.0991	0.164	380	300	375	295
	240	3.4	0.5	3.1	3.3	72	78	9348	4879	12444	6776	0.0754	0.125	435	345	435	345
	300	3.4	0.5	3.3	3.0	77	83	11426	5840	13504	7917	0.0601	0.100	485	390	495	390
8.7/10kv 8.7/15kv	25	4.5	0.5	2.5	2.6	47	52	2537	2072	3400	2965	0.727	1.20	125	100	120	90
	35	4.5	0.5	2.5	2.6	50	55	2652	2001	3871	3219	0.524	0.868	155	120	140	110
	50	4.5	0.5	2.6	2.7	53	58	3263	2332	4580	3649	0.387	0.641	180	140	165	130
	70	4.5	0.5	2.7	2.8	57	62	4024	2721	5466	4163	0.268	0.443	220	170	210	165
	95	4.5	0.5	2.8	3.0	60	66	4950	3181	6535	4766	0.193	0.320	265	210	255	200
	120	4.5	0.5	2.9	3.1	64	69	5867	3632	7565	5331	0.153	0.253	300	235	290	225
	150	4.5	0.5	3.0	3.2	67	73	6970	4178	8379	5946	0.124	0.206	340	260	330	255
	185	4.5	0.5	3.1	3.3	71	78	8131	4686	10027	6582	0.0991	0.164	380	300	375	295
	240	4.5	0.5	3.3	3.5	77	83	9993	5524	12061	7592	0.0754	0.125	435	345	435	345
	300	4.5	0.8	3.4	3.7	82	90	11980	6394	15180	9594	0.0601	0.100	485	390	495	390

四芯等截面交联聚乙烯绝缘聚氯乙烯护套电力电缆
Four-core same Cross-Section XLPE Insulated PVC Sheathed Power Cable

额电电压 AC Rated Voltage	标称截面 Nom. Cross-section mm^2	绝缘标称厚度 Nom. insulation thickness mm	铠装钢带厚度 Steel tape thickness mm	护套标称厚度 Nom. sheath thickness mm		电缆近似外径 Approx OD of cable mm		电缆近似重量 Approx weight of cable kg/km				20℃导体最大直流电阻 Max.DC Resistance of Conductor at 20℃ Ω/km		电缆载流量 Current Rating(A)			
														土壤敷设 Direct in ground		空气敷设 Run in air	
				YJV YJLV	YJV22 YJLV22	YJV YJLV	YJV22 YJLV22	YJV	YJLV	YJV22	YJLV22	铜Cu	铝Al	铜芯Cu	铝芯Al	铜芯Cu	铝芯Al
0.6/1kv	1.5	0.7	-	1.8	-	13	-	177	140	-	-	12.1	20.16	27	-	20	-
	2.5	0.7	-	1.8	-	14	-	209	147	-	-	7.41	12.1	35	27	26	20
	4	0.7	0.2	1.8	1.8	15	19	279	179	459	359	4.61	7.41	45	36	34	27
	6	0.7	0.2	1.8	1.8	17	20	369	222	564	417	3.08	4.61	57	46	43	35
	10	0.7	0.2	1.8	1.8	20	23	556	308	783	535	1.83	3.08	77	59	60	47
	16	0.7	0.2	1.8	1.8	22	25	808	400	1066	669	1.15	1.91	105	80	83	64
	25	0.9	0.2	1.8	1.8	26	29	1214	539	1523	902	0.727	1.20	125	100	105	82
	35	0.9	0.2	1.8	1.9	29	32	1619	750	1972	1103	0.524	0.868	155	120	125	100
	50	1.0	0.5	1.9	2.0	32	37	2256	1014	3005	1764	0.387	0.641	185	145	160	125
	70	1.1	0.5	2.0	2.1	37	42	2945	1210	3963	2225	0.268	0.443	225	175	200	155
	95	1.1	0.5	2.1	2.3	42	47	3915	1560	5110	2751	0.193	0.320	270	210	245	200
	120	1.2	0.5	2.3	2.4	46	51	4953	1961	6261	3282	0.153	0.253	310	240	285	220
	150	1.4	0.5	2.4	2.6	51	56	6142	2425	7702	3978	0.124	0.206	345	270	325	250
	185	1.6	0.5	2.6	2.8	57	63	7572	2987	9359	4765	0.0991	0.164	390	305	375	295
	240	1.7	0.5	2.8	3.0	64	69	9717	3769	11800	5801	0.0754	0.125	450	355	440	345
	300	1.8	0.5	3.0	3.2	70	76	11643	5147	14472	7023	0.0601	0.100	515	400	505	395

三大一小交联聚乙烯绝缘聚氯乙烯护套电力电缆
(3+1)-core XLPE Insulated PVC Sheathed Power Cable

额电电压 A.C. Rated Voltage	标称截面 Nom. Cross-section mm^2	绝缘标称厚度 Nom. insulation thickness mm	铠装钢带厚度 Steel tape thickness mm	护套标称厚度 Nom. sheath thickness mm		电缆近似外径 Approx OD of cable mm		电缆近似重量 Approx weight of cable kg/km				20℃导体最大直流电阻 Max.DC Resistance of Conductor at 20℃ Ω/km		电缆载流量 Current Rating(A)			
														土壤敷设 Direct in ground		空气敷设 Run in air	
				YJV YJLV	YJV22 YJLV22	YJV YJLV	YJV22 YJLV22	YJV	YJLV	YJV22	YJLV22	铜Cu	铝Al	铜芯Cu	铝芯Al	铜芯Cu	铝芯Al
0.6/1kv	3×2.5+1×1.5	0.7 0.7	-	1.8	-	13	-	197	162	-	-	7.41 12.1	- -	35	27	26	20
	3×4+1×2.5	0.7 0.7	-	1.8	1.8	15	18	262	172	438	348	4.61 7.41	7.41 12.1	45	36	34	27
	3×6+1×4	0.7 0.7	0.2	1.8	1.8	16	20	347	212	539	404	3.08 4.61	4.61 7.41	57	46	43	35
	3×10+1×6	0.7 0.7	0.2	1.8	1.8	19	22	508	286	728	506	1.83 3.08	3.08 4.61	77	59	60	47
	3×16+1×10	0.7 0.7	0.2	1.8	1.8	21	25	744	473	819	548	1.15 1.83	1.91 3.08	105	80	83	64
	3×25+1×16	0.9 0.7	0.2	1.8	1.8	25	28	1111	547	1408	844	0.727 1.15	1.20 1.91	125	100	105	82
	3×35+1×16	0.9 0.7	0.2	1.8	1.8	27	30	1260	639	1862	1241	0.524 1.15	0.868 1.91	155	120	125	100
	3×50+1×25	1.0 0.9	0.5	1.8	2.0	31	36	1982	898	2710	1626	0.387 0.727	0.641 1.20	185	145	160	125
	3×70+1×35	1.1 0.9	0.5	1.9	2.1	35	40	2712	1194	3543	2025	0.268 0.524	0.443 0.868	225	175	200	155
	3×95+1×50	1.1 1.0	0.5	2.1	2.2	40	44	3642	1567	4554	2479	0.193 0.387	0.320 0.641	270	210	245	200
	3×120+1×70	1.2 1.1	0.5	2.2	2.4	44	49	4635	1970	5706	3041	0.153 0.268	0.253 0.443	310	240	285	220
	3×150+1×70	1.4 1.1	0.5	2.4	2.5	48	53	5588	2366	6780	3180	0.124 0.268	0.206 0.443	345	270	325	250
	3×185+1×95	1.6 1.1	0.5	2.5	2.7	54	59	6691	2664	8035	4008	0.0991 0.193	0.164 0.320	390	305	375	295
	3×240+1×120	1.7 1.2	0.5	2.7	2.9	60	65	8907	3702	10425	5220	0.0754 0.153	0.125 0.253	450	355	440	345
	3×300+1×150	1.8 1.4	0.5	2.9	3.0	66	72	11080	4572	12772	6266	0.0601 0.124	0.100 0.205	515	400	505	395

四大一小交联聚乙烯绝缘聚氯乙烯护套电力电缆

（4+1）-core XLPE Insulated PVC Sheathed Power Cable

额定电压 AC Rated Voltage	标称截面 Nom. Cross-section mm²	绝缘标称厚度 Nom. insulation thickness mm	铠装钢带厚度 Steel tape thickness mm	护套标称厚度 Nom. sheath thickness mm		电缆近似外径 Approx OD of cable mm		电缆近似重量 Apporx weight of cable kg/km				20℃导体最大直流电阻 Max.DC Resistance of Conductor at 20℃ Ω/km		电缆载流量 Current Rating (A)			
														土壤敷设 Direct in ground		空气敷设 Run in air	
				YJV YJLV	YJV22 YJLV22	YJV YJLV	YJV22 YJLV22	YJV	YJLV	YJV22	YJLV22	铜Cu	铝Al	铜芯Cu	铝芯Al	铜芯Cu	铝芯Al
0.6/1kv	4×4+1×2.5	0.7 0.7	-	1.8	1.8	16	19	361	235	539	424	4.61 7.41	7.41 12.1	45	36	36	27
	4×6+1×4	0.7 0.7	0.2	1.8	1.8	17	21	465	293	671	499	3.08 4.61	4.61 7.41	57	46	43	35
	4×10+1×6	0.7 0.7	0.2	1.8	1.8	21	24	706	421	951	666	1.83 3.08	3.08 4.61	77	59	60	47
	4×16+1×10	0.7 0.7	0.2	1.8	1.8	23	26	1038	578	1320	860	1.15 1.83	1.91 3.08	105	80	83	64
	4×25+1×16	0.9 0.7	0.2	1.8	1.8	27	31	1554	834	1888	1167	0.727 1.15	1.20 1.91	125	100	105	82
	4×35+1×16	0.9 0.7	0.2	1.8	1.9	30	33	1999	1030	2378	1409	0.524 1.15	0.868 1.91	155	120	125	100
	4×50+1×25	1.0 0.9	0.5	1.9	2.1	34	39	2735	1381	3558	2204	0.387 0.727	0.641 1.20	185	145	160	125
	4×70+1×35	1.1 0.9	0.5	2.1	2.2	39	44	3805	1886	4737	2818	0.268 0.524	0.443 0.868	225	175	200	155
	4×95+1×50	1.1 1.0	0.5	2.2	2.4	44	49	5114	2461	6219	3566	0.193 0.387	0.320 0.641	270	210	245	200
	4×120+1×70	1.2 1.1	0.5	2.4	2.5	49	54	6481	3088	7709	4315	0.153 0.268	0.253 0.443	310	240	285	220
	4×150+1×70	1.4 1.1	0.5	2.5	2.7	54	59	7794	3693	9184	5082	0.124 0.264	0.206 0.443	345	270	325	250
	4×185+1×90	1.6 1.1	0.5	2.7	2.9	60	66	9773	4614	11350	6191	0.0991 0.193	0.164 0.320	390	305	375	295
	4×240+1×120	1.7 1.2	0.5	2.9	3.1	67	73	12552	5201	13649	6990	0.0754 0.153	0.125 0.253	450	355	440	345
	4×300+1×150	1.8 1.4	0.5	3.1	3.3	74	80	15537	7166	17540	9170	0.0601 0.124	0.100 0.206	515	400	505	395

三大二小交联聚乙烯绝缘聚氯乙烯护套电力电缆

（3+2）-core XLPE Insulated PVC Sheathed Power Cable

额定电压 AC Rated Voltage	标称截面 Nom. Cross-section mm²	绝缘标称厚度 Nom. insulation thickness mm	铠装钢带厚度 Steel tape thickness mm	护套标称厚度 Nom. sheath thickness mm		电缆近似外径 Approx OD of cable mm		电缆近似重量 Apporx weight of cable kg/km				20℃导体最大直流电阻 Max.DC Resistance of Conductor at 20℃ Ω/km		电缆载流量 Current Rating (A)			
														土壤敷设 Direct in ground		空气敷设 Run in air	
				YJV YJLV	YJV22 YJLV22	YJV YJLV	YJV22 YJLV22	YJV	YJLV	YJV22	YJLV22	铜Cu	铝Al	铜芯Cu	铝芯Al	铜芯Cu	铝芯Al
0.6/1kv	3×4+2×2.5	0.7 0.7	0.2	1.8	1.8	16	19	331	225	516	410	4.61 7.41	7.41 12.1	45	36	34	27
	3×6+2×4	0.7 0.7	0.2	1.8	1.8	17	21	442	281	644	484	3.08 4.61	4.61 7.41	57	46	43	35
	4×10+2×6	0.7 0.7	0.2	1.8	1.8	20	23	654	394	591	631	1.83 3.08	3.08 4.61	77	59	60	47
	3×16+2×10	0.7 0.7	0.2	1.8	1.8	23	26	969	546	1244	821	1.15 1.83	1.91 3.08	105	80	83	64
	3×25+2×16	0.9 0.7	0.2	1.8	1.8	27	30	1450	785	1744	1109	0.727 1.15	1.20 1.91	125	100	105	82
	3×35+2×16	0.9 0.7	0.2	1.8	1.9	29	32	1781	930	2143	1292	0.524 1.15	0.868 1.91	155	120	125	100
	3×50+2×25	1.0 0.9	0.5	1.9	2.1	33	38	2481	1272	3274	2064	0.387 0.727	0.641 1.20	185	145	160	125
	4×70+2×35	1.1 0.9	0.5	2.1	2.2	38	42	3428	1552	4219	1444	0.268 0.524	0.443 0.868	225	175	200	155
	3×95+2×50	1.1 1.0	0.5	2.2	2.4	43	48	4407	2042	5468	3103	0.193 0.387	0.320 0.641	270	210	245	200
	3×120+2×70	1.2 1.1	0.5	2.4	2.5	48	53	5934	2862	7120	4048	0.153 0.268	0.253 0.443	310	240	285	220
	3×150+2×70	1.4 1.1	0.5	2.5	2.7	52	57	6951	3343	8279	4672	0.124 0.268	0.206 0.443	345	270	325	250
	3×185+2×95	1.6 1.1	0.5	2.7	2.9	58	63	8800	4195	10306	5702	0.0991 0.193	0.164 0.320	390	305	375	295
	3×240+2×120	1.7 1.2	0.5	2.9	3.1	64	70	11228	5272	12930	6974	0.0754 0.153	0.125 0.253	450	355	440	345
	3×300+2×150	1.8 1.4	0.5	3.1	3.3	70	76	13930	6499	15840	8412	0.0601 0.124	0.100 0.206	515	400	505	395

五芯等截面交联聚乙烯绝缘聚氯乙烯护套电力电缆

Five-core same Cross-Section XLPE Insulated PVC Sheathed Power Cable

额电电压 AC Rated Voltage	标称截面 Nom. Cross-section mm^2	绝缘标称厚度 Nom. insulation thickness mm	铠装钢带厚度 Steel tape thickness mm	护套标称厚度 Nom. sheath thickness mm		电缆近似外径 Approx OD of cable mm		电缆近似重量 Approx weight of cable kg/km				20℃导体最大直流电阻 Max.DC Resistance of Conductor at 20℃ Ω/km		电缆载流量 Current Rating(A)			
														土壤敷设 Direct in ground		空气敷设 Run in air	
				YJV YJLV	YJV22 YJLV22	YJV YJLV	YJV22 YJLV22	YJV	YJLV	YJV22	YJLV22	铜Cu	铝 Al	铜芯Cu	铝芯 Al	铜芯Cu	铝芯 Al
0.6/1kv	1.5	0.7	0.2	1.8	-	13	-	177	140	-	-	12.1	20.16	27	-	20	-
	2.5	0.7	0.2	1.8	-	14	-	209	147	-	-	7.41	12.1	35	27	26	20
	4	0.7	0.2	1.8	1.8	15	19	279	179	459	359	4.61	7.41	45	36	34	27
	6	0.7	0.2	1.8	1.8	17	20	369	222	564	417	3.08	4.61	57	46	43	35
	10	0.7	0.2	1.8	1.8	20	23	556	308	783	535	1.83	3.08	77	59	60	47
	16	0.7	0.2	1.8	1.8	22	25	808	411	1066	669	1.15	1.91	105	80	83	64
	25	0.9	0.2	1.8	1.8	26	29	1214	539	1523	902	0.727	1.20	125	100	105	82
	35	0.9	0.5	1.8	1.9	29	32	1619	750	1972	1103	0.524	0.868	155	120	125	100
	50	1.0	0.5	1.9	2.0	32	37	2256	1014	3005	1764	0.387	0.641	185	145	160	125
	70	1.1	0.5	2.0	2.1	37	42	2945	1210	3963	2225	0.268	0.443	225	175	200	155
	95	1.1	0.5	2.1	2.3	42	47	3915	1560	5110	2751	0.193	0.320	270	210	245	200
	120	1.2	0.5	2.3	2.4	46	51	4953	1961	6261	3282	0.153	0.253	310	240	285	220
	150	1.4	0.5	2.4	2.6	51	56	6142	2425	7702	3978	0.124	0.206	345	270	325	250
	185	1.6	0.5	2.6	2.8	57	63	7572	2987	9359	4765	0.0991	0.164	390	305	375	295
	240	1.7	0.5	2.8	3.0	64	69	9717	3769	11800	5801	0.0754	0.125	450	355	440	345
	300	1.8	0.5	3.0	3.2	70	76	11643	5147	14472	7023	0.0601	0.100	515	400	505	395

二芯交联聚乙烯绝缘、细钢丝铠装、聚氯乙烯护套电力电缆

Two-core XLPE Insulated PVC Sheathed Power Cable with thin steel wire armor

额电电压 AC Rated Voltage	标称截面 Nom. Cross-section mm^2	绝缘标称厚度 Nom. insulation thickness mm	铠装钢丝直径 Steel tape thickness mm	护套标称厚度 Nom. sheath thickness mm	电缆近似外径 Approx OD of cable mm	电缆近似重量 Approx weight of cable kg/km		20℃导体最大直流电阻 Max.DC Resistance of Conductor at 20℃ Ω/km		电缆载流量 Current Rating(A)			
										土壤敷设 Direct in ground		空气敷设 Run in air	
						铜芯Cu	铝芯 Al	铜Cu	铝 Al	铜芯Cu	铝芯 Al	铜芯Cu	铝芯 Al
0.6/1kv	2.5	0.7	0.8	1.8	15	381	350	7.41	12.1	40	32	30	25
	4	0.7	0.8	1.8	16	442	392	4.61	7.41	55	45	42	32
	6	0.7	0.8	1.8	17	514	441	3.08	4.61	65	50	53	42
	10	0.7	0.8	1.8	20	649	525	1.83	3.08	90	70	70	55
	16	0.7	0.8	1.8	22	841	643	1.15	1.91	110	90	92	75
	25	0.9	1.6	1.8	26	1483	1173	0.727	1.20	140	120	128	100
	35	0.9	1.6	1.8	28	1760	1326	0.524	0.868	180	140	160	130
	50	1.0	1.6	1.9	32	2225	1604	0.387	0.641	210	160	190	150
	70	1.1	2.0	2.1	37	3099	2231	0.268	0.443	250	200	250	190
	95	1.1	2.0	2.2	40	3766	2586	0.193	0.320	285	230	300	240
	120	1.2	2.0	2.3	41	4451	2962	0.153	0.253	330	260	350	290
	150	1.4	2.5	2.5	50	5872	4011	0.124	0.206	375	300	400	330
	185	1.6	2.5	2.6	54	6920	4625	0.0991	0.164	420	340	460	370
	240	1.7	2.5	2.8	59	8438	5460	0.0754	0.125	500	400	550	440
	300	1.8	2.5	2.9	65	10030	6308	0.0601	0.100	580	510	600	560

单芯交联聚乙烯绝缘、细钢丝铠装、聚氯乙烯护套电力电缆

Single-core XLPE Insulated PVC Sheathed Power Cable with thin steel wire armour

额电电压 AC Rated Voltage	标称截面 Nom. Cross-section mm^2	绝缘标称厚度 Nom. insulation thickness mm	铠装钢丝直径 Steel tape thickness mm	护套标称厚度 Nom. sheath thickness mm	电缆近似外径 Approx OD of cable mm	电缆近似重量 Approx weight of cable kg/km		20℃导体最大直流电阻 Max.DC Resistance of Conductor at 20℃ Ω/km		电缆载流量 Current Rating(A)			
										土壤敷设 Direct in ground		空气敷设 Run in air	
						铜芯Cu	铝芯Al	铜Cu	铝Al	铜芯Cu	铝芯Al	铜芯Cu	铝芯Al
0.6/1kv	10	0.7	1.6	1.8	15	544	482	1.83	3.08	95	75	75	60
	16	0.7	1.6	1.8	16	628	529	1.15	1.91	125	100	100	80
	25	0.9	1.6	1.8	18	788	634	0.727	1.20	160	130	140	115
	35	0.9	1.6	1.8	19	927	711	0.524	0.868	190	150	175	140
	50	1.0	1.6	1.8	20	1121	811	0.387	0.641	225	180	210	170
	70	1.1	1.6	1.8	22	1398	965	0.268	0.443	280	225	270	215
	95	1.1	1.6	1.8	24	1697	1109	0.193	0.320	335	270	340	275
	120	1.2	1.6	1.8	25	2001	1258	0.153	0.253	380	305	400	320
	150	1.4	2.0	1.8	28	2555	1626	0.124	0.206	425	340	460	370
	185	1.6	2.0	1.9	30	3005	1860	0.0991	0.164	480	375	530	415
	240	1.7	2.0	2.0	33	3665	2179	0.0754	0.125	555	435	625	490
	300	1.8	2.0	2.0	35	4359	2502	0.0601	0.100	615	496	685	550
3.6/6kv	25	2.5	2.0	1.8	25	1226	1071	0.727	1.20	210	165	190	145
	35	2.5	2.0	1.8	26	1387	1161	0.524	0.868	250	195	230	180
	50	2.5	2.0	1.8	27	1600	1291	0.387	0.641	300	235	275	215
	70	2.5	2.0	1.8	29	1878	1256	0.268	0.443	370	290	340	266
	95	2.5	2.0	1.9	31	2212	1624	0.193	0.320	450	350	420	325
	120	2.5	2.0	2.0	32	2540	1797	0.153	0.253	515	400	480	375
	150	2.5	2.0	2.0	34	3130	2201	0.124	0.206	580	450	550	405
	185	2.5	2.5	2.1	37	3559	2414	0.0991	0.164	660	510	635	490
	240	2.6	2.5	2.2	39	4233	2747	0.0754	0.125	770	595	745	580
	300	2.8	2.5	2.3	42	5005	3148	0.0601	0.100	875	680	860	665
6/6kv 6/10kv	25	3.4	2.0	1.8	27	1367	1212	0.727	1.20	210	160	190	145
	35	3.4	2.0	1.8	28	1522	1305	0.524	0.868	250	195	230	180
	50	3.4	2.0	1.8	29	1731	1422	0.387	0.641	300	230	275	215
	70	3.4	2.0	1.9	31	2027	1594	0.268	0.443	370	285	345	266
	95	3.4	2.0	1.9	33	2353	1765	0.193	0.320	445	345	415	325
	120	3.4	2.0	2.0	34	2912	2170	0.153	0.253	505	395	480	375
	150	3.4	2.5	2.1	37	3225	2396	0.124	0.206	575	445	550	405
	185	3.4	2.5	2.1	39	3743	2597	0.0991	0.164	650	500	630	490
	240	3.4	2.5	2.2	42	4470	2983	0.0754	0.125	760	590	745	580
	300	3.4	2.5	2.3	43	5140	3282	0.0601	0.100	870	670	860	665
8.7/10kv 8.7/15kv	25	2.5	2.0	1.8	29	1531	1376	0.727	1.20	210	160	190	145
	35	2.5	2.0	1.8	30	1703	1486	0.524	0.868	250	195	230	180
	50	2.5	2.0	1.8	32	1934	1624	0.387	0.641	300	230	275	215
	70	2.5	2.0	1.8	33	2222	1789	0.268	0.443	370	285	345	266
	95	2.5	2.0	1.9	36	2813	2225	0.193	0.320	445	345	415	325
	120	2.5	2.0	2.0	38	3155	2413	0.153	0.253	505	395	480	375
	150	2.5	2.0	2.0	39	3532	2603	0.124	0.206	575	445	550	405
	185	2.5	2.5	2.1	41	3998	2852	0.0991	0.164	650	500	630	490
	240	2.6	2.5	2.2	43	4668	3185	0.0754	0.125	760	590	745	580
	300	2.8	2.5	2.3	45	5395	3538	0.0601	0.100	870	670	860	665

三芯交联聚乙烯绝缘、细钢丝铠装、聚氯乙烯护套电力电缆

Three-core XLPE Insulated PVC Sheathed Power Cable with thin steel wire armour

额电电压 AC Rated Voltage	标称截面 Nom. Cross-section mm^2	绝缘标称厚度 Nom. insulation thickness mm	内护套标称厚度 Steel tape thickness mm	铠装钢丝直径 Steel tape thickness mm	护套标称厚度 Nom. sheath thickness mm	电缆近似外径 Approx OD of cable mm	电缆近似重量 Approx weight of cable kg/km		20℃导体最大直流电阻 Max.DC Resistance of Conductor at 20℃ Ω/km		电缆载流量 Current Rating(A)			
											土壤敷设 Direct in ground		空气敷设 Run in air	
							铜芯Cu	铝芯Al	铜Cu	铝 Al	铜芯Cu	铝芯Al	铜芯Cu	铝芯Al
0.6/1kv	4	0.7	-	0.8	1.8	17	497	423	4.61	7.41	40	30	50	40
	6	0.7	-	0.8	1.8	18	589	479	3.08	4.61	50	40	60	45
	10	0.7	-	0.8	1.8	20	1049	864	1.83	3.08	65	50	80	60
	16	0.7	-	1.6	1.8	24	1320	1022	1.15	0.91	85	65	100	80
	25	0.9	-	1.6	1.8	28	1764	1300	0.727	0.20	115	90	130	100
	35	0.9	-	1.6	1.9	30	2161	1509	0.524	0.868	145	110	155	120
	50	1.0	-	1.6	2.0	33	2768	1873	0.387	0.641	175	130	185	140
	70	1.1	-	2.0	2.1	39	3818	2514	0.268	0.443	220	170	225	175
	95	1.1	-	2.5	2.2	42	4761	2992	0.193	0.320	270	205	270	210
	120	1.2	-	2.5	2.4	47	6154	3920	0.153	0.253	315	240	305	235
	150	1.4	-	2.5	2.6	52	7420	4627	0.124	0.206	360	275	345	265
	185	1.6	-	2.5	2.8	57	8847	5402	0.0991	0.164	420	320	390	301
3.6/6kv	240	1.7	-	2.5	2.9	63	10863	6394	0.0754	0.125	500	385	455	355
	25	2.5	1.2	2.0	2.4	43	4000	3381	0.727	1.20	140	110	140	110
	35	2.5	1.3	2.5	2.4	47	4244	3572	0.524	0.868	170	125	155	130
	50	2.5	1.3	2.5	2.5	50	4899	3968	0.387	0.641	200	145	187	150
	70	2.5	1.4	2.5	2.6	54	5835	4531	0.268	0.443	245	180	235	190
	95	2.5	1.4	2.5	2.8	58	6965	5196	0.193	0.320	298	215	307	220
	120	2.5	1.5	2.5	2.9	61	7994	5760	0.153	0.253	337	245	353	250
	150	2.5	1.6	2.5	3.0	65	9269	6476	0.124	0.206	376	270	403	285
	185	2.5	1.6	2.5	3.1	69	10576	7132	0.0991	0.164	421	300	460	315
	240	2.6	1.7	3.15	3.3	76	13718	9249	0.0754	0.125	481	355	541	370
	300	2.8	1.8	3.15	3.5	82	16154	10568	0.0601	0.100	515	415	545	430
6/6kv 6/10kv	25	3.4	1.3	2.5	2.4	48	4200	3700	0.727	1.20	140	110	140	110
	35	3.4	1.3	2.5	2.5	51	4721	4069	0.524	0.868	171	125	161	130
	60	3.4	1.4	2.5	2.6	55	5469	4538	0.387	0.641	201	150	192	155
	70	3.4	1.5	2.5	2.8	59	6500	5197	0.268	0.443	250	180	256	190
	95	3.4	1.5	2.5	2.9	62	8163	6394	0.193	0.320	298	210	313	225
	120	3.4	1.6	2.5	3.0	66	8694	6459	0.153	0.253	337	250	361	255
	150	3.4	1.6	2.5	3.1	70	9876	7083	0.124	0.206	375	280	409	295
	185	3.4	1.7	3.15	3.3	75	12143	8698	0.0991	0.164	420	320	465	340
	240	3.4	1.8	3.15	3.5	80	14300	9831	0.0754	0.125	480	375	544	395
	300	3.4	1.9	3.15	3.6	86	16750	11164	0.0601	0.100	545	440	580	455
8.7/10kv 8.7/15kv	25	4.5	1.4	2.5	2.6	53	4800	4256	0.727	1.20	140	110	140	110
	35	4.5	1.4	2.5	2.7	57	5368	4716	0.524	0.868	175	125	177	130
	60	4.5	1.5	2.5	2.8	60	6143	5212	0.387	0.641	206	150	212	155
	70	4.5	1.6	2.5	2.9	64	7159	5856	0.268	0.443	251	180	264	190
	95	4.5	1.6	2.5	3.1	68	8329	6560	0.193	0.320	298	210	320	225
	120	4.5	1.7	2.5	3.2	71	10269	8035	0.153	0.253	336	250	365	255
	150	4.5	1.7	3.15	3.3	76	11572	8779	0.124	0.206	375	280	415	295
	185	4.5	1.8	3.15	3.5	80	13083	9638	0.0991	0.164	419	320	470	340
	240	4.5	1.9	3.15	3.6	86	5250	10781	0.0754	0.100	479	375	549	395

四芯等截面交联聚乙烯绝缘、细钢丝铠装、聚氯乙烯护套电力电缆

Four-core same Cross-Section XLPE Insulated PVC Sheathed Power Cable with thin steel wire armour

额电电压 AC Rated Voltage	标称截面 Nom. Cross-section mm^2	绝缘标称厚度 Nom. insulation thickness mm	铠装钢丝直径 Steel tape thickness mm	护套标称厚度 Nom. sheath thickness mm	电缆近似外径 Approx OD of cable mm	电缆近似重量 Approx weight of cable kg/km		20℃导体最大直流电阻 Max.DC Resistance of Conductor at 20℃ Ω/km		电缆载流量 Current Rating(A)			
										土壤敷设 Direct in ground		空气敷设 Run in air	
						铜芯Cu	铝芯Al	铜Cu	铝 Al	铜芯Cu	铝芯Al	铜芯Cu	铝芯Al
0.6/1kv	2.5	0.7	0.8	1.8	17	474	412	7.41	12.1	30	25	40	30
	4	0.7	0.8	1.8	18	571	471	4.61	7.41	40	30	50	40
	6	0.7	0.8	1.8	19	725	578	3.08	4.61	50	40	60	45
	10	0.7	1.6	1.8	23	1222	974	1.83	3.08	65	50	80	60
	16	0.7	1.6	1.8	26	1602	205	1.15	1.91	85	65	100	80
	25	0.9	1.6	1.9	30	2125	504	0.727	1.20	115	90	130	100
	35	0.9	1.6	1.9	32	2609	740	0.524	0.868	145	110	155	120
	50	1.0	2.0	2.1	37	3643	2402	0.387	0.641	175	130	185	140
	70	1.1	2.0	2.2	39	4364	2630	0.268	0.443	220	170	225	175
	95	1.1	2.0	2.4	43	5526	3173	0.193	0.320	270	205	270	210
	120	1.2	2.5	2.5	48	7147	4913	0.153	0.253	315	240	305	235
	150	1.4	2.5	2.7	53	8630	4913	0.124	0.206	360	275	345	265
	185	1.6	2.5	2.9	58	9654	5069	0.0991	0.164	420	320	390	305
	240	1.7	2.5	3.1	63	12773	6825	0.0754	0.125	500	385	455	355
	300	1.8	2.5	3.3	69	14500	8667	0.0601	0.100	585	450	525	400

三大一小交联聚乙烯绝缘、细钢丝铠装、聚氯乙烯护套电力电缆

(3+1)-core XLPE Insulated PVC Sheathed Power Cable with thin steel wire armor

额电电压 AC Rated Voltage	标称截面 Nom. Cross-section mm^2	绝缘标称厚度 Nom. insulation thickness mm	铠装钢丝直径 Steel tape thickness mm	护套标称厚度 Nom. sheath thickness mm	电缆近似外径 Approx OD of cable mm	电缆近似重量 Approx weight of cable kg/km		20℃导体最大直流电阻 Max.DC Resistance of Conductor at 20℃ Ω/km		电缆载流量 Current Rating(A)			
										土壤敷设 Direct in ground		空气敷设 Run in air	
						铜芯Cu	铝芯Al	铜Cu	铝 Al	铜芯Cu	铝芯Al	铜芯Cu	铝芯Al
0.6/1kv	3×2.5+1×1.5	0.7 0.7	0.8	1.8	17	457	-	7.41 12.1	- -	35	-	30	-
	3×4+1×2.5	0.7 0.7	0.8	1.8	18	549	459	4.61 7.41	7.41 12.1	50	40	40	30
	3×6+1×4	0.7 0.7	0.8	1.8	19	657	522	3.08 4.61	4.61 7.41	60	45	50	40
	3×10+1×6	0.7 0.7	0.8	1.8	21	862	640	1.83 3.08	3.08 4.61	80	60	65	50
	3×16+1×10	0.7 0.7	1.6	1.8	25	1381	1110	1.15 1.83	1.91 3.08	100	80	85	65
	3×25+1×16	0.9 0.7	1.6	1.8	29	1971	1407	0.727 1.15	1.20 1.91	130	100	115	90
	3×35+1×16	0.9 0.7	1.6	1.9	31	2226	1605	0.524 1.15	0.868 1.91	155	120	145	110
	3×50+1×25	1.0 0.9	2.0	2.0	36	3534	2450	0.387 0.727	0.641 1.20	185	140	175	130
	3×70+1×35	1.1 0.9	2.0	2.2	40	4237	2719	0.268 0.524	0.443 0.868	225	175	220	170
	3×95+1×50	1.1 1.0	2.0	2.3	44	5332	3257	0.193 0.387	0.320 0.641	270	210	270	205
	3×120+1×70	1.2 1.1	2.5	2.5	50	7007	4341	0.153 0.268	0.253 0.443	305	235	315	240
	3×150+1×70	1.4 1.1	2.5	2.6	54	8207	4607	0.124 0.268	0.206 0.443	345	265	360	275
	3×185+1×95	1.6 1.1	2.5	2.8	60	9567	5540	0.0991 0.193	0.164 0.320	390	301	420	320
	3×240+1×120	1.7 1.2	2.5	3.0	65	12150	6945	0.0754 0.153	0.125 0.253	455	355	500	385
	3×300+1×150	1.8 1.4	3.15	3.2	74	15566	9060	0.0604 0.124	0.100 0.206	410	410	600	450

交联聚乙烯绝缘电力电缆
XLPE insulated power cable

执行标准 **Standard**

额定电压 3.6/6～26/35kV交联聚乙烯绝缘电力电缆执行标准 Q/320481LL019-2003(主要性能指标高于 IEC60502-1998,IEC60840-1998,GB/T12706-2002等标准要求)

XLPE insulated power cable with rated voltage from 3.6/6kV to 26/35kV shall be produced according to the Enterprise Standard Q/320481LL019-2003,the main properties index of which are higher than the requirements of IEC60502-1998,IEC60840-1998,GB/T12706-2002,ect.

一、适用范围 **Application**

本产品适用于额定电压3.6/6～26/35kV中、高压输配电系统。

电缆导体最高额定温度：90℃

短路（最长持续时间5秒）电缆导体的最高温度不超过：250℃

电缆敷设温度低于0℃时，应预先加热。

电缆安装时的电缆最小弯曲半径：无铠装单芯电缆20D，无铠装三芯电缆15D

有铠装单芯电缆15D，有铠装三芯电缆12D

This cable is suitable for installing in transmission and distribution system of rated voltage from 3.6/6kV to 26/35kV.

Maximum rated operation temperature of conductor:90℃

Maximum short circuit temperature of conductor(duration 5sec.):250℃

It should be pre-warmed before installation when the ambient temperature is below 0℃.

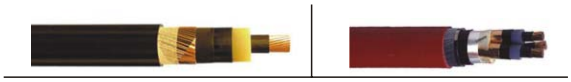
Minimum bending radius of cable for installation(D is the overall diameter of cable):

For non-armoured single core cable:20D

For non-armoured three-core cable:15D

For armoured single core cable:15D

For armoured three-core cable:12D



二、标准主要技术性能对比表

Conteast Table of Main technical properties among different standards.

项 目 Items	Q/320481LL019-2003 (本公司标准) （Enterprise Standard）	IEC60502-1998 IEC60840-1999	GB/T12706-2002
例行局部放电试验 Routine Partial discharge test[1)]	施加2Uo,放电量不大于5pC。 Discharge magnitude at 2Uo shall not exceed 5pC.	Uo为18kV及以下电缆，施加1.73Uo,放电量不大于10pC;Uo为18kV以上电缆，施加1.5Uo,放电量不大于10pC。For cable of Uo≤18k,discharge magnitude at 1.73Uo shall not exceed 10pC;For cable of Uo＞18kV, discharge magnitude at 1.73Uo shall not exceed 10pC.	施加1.73Uo,放电量不大于10pC. Discharge magmitude at 1.73 Uo shall not exceed 10pC.
例行交流耐压试验 Routine A.C.voltage test	Uo为18kV及以下电缆，施加3.5Uo,持续5min 绝缘不击穿；Uo为18kV以上电缆，施加3.5Uo,持续5min或施加2.5Uo,持续30min绝缘不击穿 For cable of Uo≤18kV,test voltage of 3.5Uo shall be applied for 5 minutes and no breakdown of insulation shall occur;	Uo为18kV及以下电缆，施加3.5Uo,持续5min 绝缘不击穿；Uo为18kV以上电缆，施加2.5Uo,持续30min绝缘不击穿 For cable of Uo≤18kV,test voltage of 3.5Uo shall be applied for 5 minutes and no breakdown of insulation shall occur; For cable of Uo≤18kV,test	Uo为18kV及以下电缆，施加3.5Uo,持续5min 绝缘不击穿；Uo为18kV以上电缆，施加3.5Uo,持续5min或施加2.5Uo,持续30min绝缘不击穿 For cable of Uo≤18kV,test voltage of 3.5Uo shall be applied for 5 minutes and no breakdown of insulation shall occur;

交联聚乙烯绝缘电力电缆
XLPE insulated power cable

标准主要技术性能对比表（续上表）

Conteast Table of Main technical properties among different Standards(continue)

项 目 Items	Q/320481LL019-2003 (本公司标准) （Enterprise Standard）	IEC60502-1998 IEC60840-1999	GB/T12706-2002
	For cable of Uo≤18kV,test voltage of 3.5Uo shall be applied for 5 minutes or 2.5Uo shall be applied for 5 minutes,no breakdown of insulation shall occur.	For cable of Uo＞18kV,test voltage of 2.5Uo shall be applied for 30 minutes,no breakdown of insulation shall occur.	For cable of Uo≤18kV,test voltage of 3.5Uo shall be applied for 5 minutes or 2.5Uo shall be applied for 5 minutes,no breakdown of insulation shall occur.
绝缘收缩试验 Insulation shrinkage test	不大于2% Not more than 2%	不大于4% Not more than 4%	不大于4% Not more than 4%
热延伸试验 Hot set test	不大于130% Not more than 130%	不大于175% Not more than 175%	不大于175% Not more than 175%
Tg δ（电缆最高额定温度下对线芯进行测量） Measurement on cores at the maxi-mum temperature of cable	Uo为6kV及以上、18kV及以下电缆，不大于40×10^{-4};Uo为18kV以上电缆，不大于5×10^{-4}。 For cable of Uo≥6kV and Uo≤18kV;not more than 40×10^{-4}; For cable of Uo＞18kV;not more than 5×10^{-4}.	Uo为6kV及以上、18kV及以下电缆，不大于80×10^{-4};Uo为18kV以上电缆，不大于10×10^{-4}。 For cable of Uo≥6kV and Uo≤18kV;not more than 80×10^{-4}; For cable of Uo＞18kV;not more than 10×10^{-4}.	Uo为6kV及以上、18kV及以下电缆，不大于80×10^{-4};Uo为18kV以上电缆，不大于10×10^{-4}。 For cable of Uo≥6kV and Uo≤18kV;not more than 80×10^{-4}; For cable of Uo＞18kV;not more than 10×10^{-4}.
绝缘偏心度(2) Insulation eccentricity(2)	不大于8% Not more than 8%		
导体紧压系数 Conductor compacted factor	不小于90% Not less than 90%	——	——

注：1）绝缘偏心度计算公式：P=（Smax-Smin）/Smax
P-绝缘偏心度；Smax-绝缘同一截面中最大厚度；Smin-绝缘同一截面中最小厚度
Note:1)Insulation calculating formula:P=(Smax-Smin)/Smax
P-Insulation eccentricity Smax-Max.insulation thickness of the same section;Smin-Min.insulation thickness of the same section.

三、型号、名称及敷设场合 Type、Description and Installation location

3.6/6～26/35kV 交联聚乙烯绝缘电力电缆
For rated voltage 3.6/6～26/35kV XLPE insulated power cable

型号 Type 铜芯 Copper core	型号 Type 铝芯 Aluminium core	名称 Description	敷设场合 Installation location
YJV	YJLV	交联聚乙烯绝缘聚氯乙烯护套电力电缆 XLPE insulated PVC sheathed power cable	架空、室内、隧道、电缆沟及管道 Aerial、indoor、trench channel and conduit
YJY	YJLY	交联聚乙烯绝缘聚乙烯护套电力电缆 XLPE insulated PE sheathed power cable	
YJV22	YJLV22	交联聚乙烯绝缘钢带铠装聚氯乙烯护套电力电缆 XLPE insulated steel tape armoured and PVC sheathed power cable	室内、隧道、电缆沟及管道 indoor、trench channel and conduit
YJV23	YJLV23	交联聚乙烯绝缘钢带铠装聚乙烯护套电力电缆 XLPE insulated steel tape armoured and PE sheathed power cable	
YJV32	YJLV32	交联聚乙烯绝缘细钢丝铠装聚氯乙烯护套电力电缆 XLPE insulated fine steel-wire armoured and PVC sheathed power cable	高落差、竖井及水下 Large difference shaft and underwater
YJV33	YJLV33	交联聚乙烯绝缘细钢丝铠装聚乙烯护套电力电缆 XLPE insulated fine steel-wire armoured and PE sheathed power cable	
YJV42	YJLV42	交联聚乙烯绝缘粗钢丝铠装聚氯乙烯护套电力电缆 XLPE insulated thick steel-wire armoured and PVC sheathed power cable	能承受拉力的竖井及海底 The shaft for bearing large

交联聚乙烯绝缘电力电缆
XLPE insulated power cable

型号 Type		名　　称 Description	敷 设 场 合 Installation location
铜 芯 Copper core	铝 芯 Aluminium core		
YJV43	YJLV43	交联聚乙烯绝缘粗钢丝铠装聚乙烯护套电力电缆 XLPE insulated thick steel-wire armoured and PE sheathed power cable	pulling force and submarine

四、电缆的额定电压、标称截面及芯数
Rated voltage of cable,nominal sectional area and no.of cores

型号 Items		芯数 No.of Cores	额定电压 Rated Voltage(kV)	
			12/20	18/30-26/35
			标准截面 Nominal cross sectional area(mm^2)	
YJV	YJLV	1	25～1200	35～1200
YJY	YJLY		25～1200	35～1200
YJV32	YJLV32		25～1200	35～1200
YJV33	YJLV33		25～1200	35～1200
YJV42	YJLV42		25～1200	35～1200
YJV43	YJLV43		25～1200	35～1200
YJV	YJLV	3	25～500	35～500
YJY	YJLY		25～500	35～500
YJV22	YJLV22		25～500	35～500
YJV23	YJLV23		25～500	35～500
YJV32	YJLV32		25～500	35～500
YJV33	YJLV33		25～500	35～500
YJV42	YJLV42		25～500	35～500
YJV43	YJLV43		25～500	35～500

单芯交联聚乙烯绝缘电力电缆
Single core XLPE insulated power cable

12/20kV

标称截面 Nominal cross sectional area mm^2	导体参考直径 Reference conductor diameter mm	绝缘标称厚度 Nominal insulation thickness mm	电缆近似外径 Approx overall diameter of cable mm	电缆近似重量 Approx weight of cable kg/km		电缆近似外径 Approx overall diameter of cable mm	电缆近似重量 Approx weight of cable kg/km		电缆近似外径 Approx overall diameter of cable mm	电缆近似重量 Approx weight of cable kg/km	
				YJV YJY	YJLV YJLY		YJV32 YJY33	YJLV32 YJLY33		YJV42 YJY43	YJLV42 YJLY43
35	7.1	5.5	25	879	651	31	1869	1641	36	3312	3084
50	8.4	5.5	26	1032	734	33	2292	1995	38	3407	3109
70	10.0	5.5	28	1281	849	35	2632	2200	39	3974	3542
95	11.7	5.5	30	1616	996	37	3025	2407	41	4447	3829
120	13.1	5.5	32	1954	1148	39	3462	2656	43	4940	4134
150	14.6	5.5	34	2267	1291	41	3850	2874	45	5394	4417
185	16.2	5.5	35	2602	1431	42	4258	3087	47	5911	4739
240	18.4	5.5	38	3205	1678	46	5394	3867	49	6907	5380
300	20.6	5.5	40	3614	1970	48	5928	4284	51	7292	5648
400	23.8	5.5	44	4817	2335	52	6120	4841	55	7587	6308
500	26.6	5.5	47	5868	2783	56	8589	5504	59	10160	7074
630	30.0	5.5	51	7179	3289	60	10137	6246	63	11822	7931
800	34.0	5.5	56	8707	4027	65	11977	7296	68	13813	9133
1000	38.2	5.5	63	11058	4866	73	15580	9387	75	16754	10561

*注:电缆近似重量为聚氯乙烯护套电缆重量
Note:The approx weight of cable is the weight of PVC sheathed cable.

三芯交联聚乙烯绝缘电力电缆

Three-core XLPE insulated power cable

12/20kV

标称截面 Nominal cross sectional area mm^2	导体参考直径 Reference conductor diameter mm	绝缘标称厚度 Nominal insulation thickness mm	电缆近似外径 Approx overall diameter of cable mm	电缆近似重量 Approx weight of cable kg/km		电缆近似外径 Approx overall diameter of cable mm	电缆近似重量 Approx weight of cable kg/km		电缆近似外径 Approx overall diameter of cable mm	电缆近似重量 Approx weight of cable kg/km		电缆近似外径 Approx overall diameter of cable mm	电缆近似重量 Approx weight of cable kg/km	
				YJV YJY	YJLV YJLY		YJV22 YJY23	YJLV22 YJLY23		YJV32 YJY33	YJLV32 YJLY33		YJV42 YJY43	YJLV42 YJLY43
35	7.1	5.5	53	3168	2482	58	4465	3779	61	6048	5362	61	7783	7097
50	8.4	5.5	56	3676	2782	61	5072	4178	64	6702	5808	64	8522	7628
70	10.0	5.5	60	4514	3215	65	6005	4705	69	7804	6504	69	9742	8442
95	11.7	5.5	63	5572	3711	69	7210	5349	75	10114	8254	75	11282	9422
120	13.1	5.5	68	6695	4239	74	8547	6121	79	11510	9084	79	12776	10350
150	14.6	5.5	71	7764	4826	77	10426	7488	83	12805	9867	83	14133	11196
185	16.2	5.5	75	8914	5389	81	11716	8191	87	14249	10724	87	15605	12080
240	18.4	5.5	80	10879	6284	88	14117	9521	92	16574	11978	92	18052	13456
300	20.6	5.5	85	13328	7361	93	16762	10795	97	19321	13354	97	20884	14917

*注:电缆近似重量为聚氯乙烯护套电缆重量

Note:The approx weight of cable is the weight of PVC sheathed cable.

单芯交联聚乙烯绝缘电力电缆

Single core XLPE insulated power cable

26/35kV

标称截面 Nominal cross sectional area mm^2	导体参考直径 Reference conductor diameter mm	绝缘标称厚度 Nominal insulation thickness mm	电缆近似外径 Approx overall diameter of cable mm	电缆近似重量 Approx weight of cable kg/km		电缆近似外径 Approx overall diameter of cable mm	电缆近似重量 Approx weight of cable kg/km		电缆近似外径 Approx overall diameter of cable mm	电缆近似重量 Approx weight of cable kg/km	
				YJV YJY	YJLV YJLY		YJV32 YJY33	YJLV32 YJLY33		YJV42 YJY43	YJLV42 YJLY43
50	8.4	10.5	38	1635	1356	46	3831	3501	50	5157	4887
70	10.0	10.5	40	1948	1516	48	4251	3819	51	5609	5117
95	11.7	10.5	41	2294	1676	50	4706	4088	53	6115	5495
120	13.1	10.5	43	2665	1849	51	5056	4350	55	6614	5808
150	14.6	10.5	44	2975	1999	54	5594	4617	56	7097	6121
185	16.2	10.5	46	3362	2191	56	6046	4874	58	7597	6426
240	18.4	10.5	49	4006	2479	58	6848	5320	61	8472	6945
300	20.6	10.5	51	4852	2868	60	7841	5858	63	9532	7549
400	23.8	10.5	55	5700	3218	63	8886	6404	67	10680	8198
500	26.6	10.5	60	6857	3771	69	10349	7262	72	12289	9201
630	30.0	10.5	62	8214	4323	71	11845	7954	74	13258	9366
800	34.0	10.5	66	9710	5030	77	14546	9866	79	15658	11008
1000	38.2	10.5	71	12059	5866	82	17210	11017	84	16523	12331

*注:电缆近似重量为聚氯乙烯护套电缆重量

Note:The approx weight of cable is the weight of PVC sheathed cable.

三芯交联聚乙烯绝缘电力电缆

Three-core XLPE insulated power cable

26/35kV

标称截面 Nominal cross sectional area mm^2	导体参考直径 Reference conductor diameter mm	绝缘标称厚度 Nominal insulation thickness mm	电缆近似外径 Approx overall diameter of cable mm	电缆近似重量 Approx weight of cable kg/km		电缆近似外径 Approx overall diameter of cable mm	电缆近似重量 Approx weight of cable kg/km		电缆近似外径 Approx overall diameter of cable mm	电缆近似重量 Approx weight of cable kg/km		电缆近似外径 Approx overall diameter of cable mm	电缆近似重量 Approx weight of cable kg/km	
				YJV YJY	YJLV YJLY		YJV22 YJY23	YJLV22 YJLY23		YJV32 YJY33	YJLV32 YJLY33		YJV42 YJY43	YJLV42 YJLY43
3×50	8.4	10.5	81	5510	4780	91	10300	9680	92	11780	10860	98	17060	16140
3×70	10.0	10.5	86	7830	6520	95	11480	10200	96	13010	11720	102	18260	16970
3×95	11.7	10.5	91	8910	7300	99	12750	11010	100	14380	12630	106	19830	18080
3×120	13.1	10.5	94	9960	7700	102	13930	11730	103	15600	13400	109	21320	19110
3×150	14.6	10.5	98	11230	8410	106	15360	12590	107	16960	14200	112	22940	20180
3×185	16.2	10.5	101	12610	9140	110	16930	13500	111	18670	15210	117	24800	21350

三芯交联聚乙烯绝缘电力电缆

Three-core XLPE insulated power cable

26/35kV

标称截面 Nominal cross sectional area mm^2	导体参考直径 Reference conductor diameter mm	绝缘标称厚度 Nominal insulation thickness mm	电缆近似外径 Approx overall diameter of cable mm	电缆近似重量 Approx weight of cable kg/km		电缆近似外径 Approx overall diameter of cable mm	电缆近似重量 Approx weight of cable kg/km		电缆近似外径 Approx overall diameter of cable mm	电缆近似重量 Approx weight of cable kg/km		电缆近似外径 Approx overall diameter of cable mm	电缆近似重量 Approx weight of cable kg/km	
				YJV YJY	YJLV YJLY		YJV22 YJY23	YJLV22 YJLY23		YJV32 YJY33	YJLV32 YJLY33		YJV42 YJY43	YJLV42 YJLY43
3×240	18.4	10.5	106	14600	10170	115	19250	14800	116	21010	16530	122	27340	22860
3×300	20.6	10.5	111	16940	10320	120	21790	16230	121	23420	17820	126	29950	24350
3×400	23.8	10.5	118	20190	11690	125	24530	17065	127	26380	18910	133	33440	25980
3×500	27.2	10.5	122	22990	12500	131	27300	17900	134	29630	20300	140	36550	27230

*注:电缆近似重量为聚氯乙烯护套电缆重量
Note:The approx weight of cable is the weight of PVC sheathed cable.

五、主要技术性能

Main technical properties

序号 No.	技术性能 Technical properties / 额定电压 Uo/U(kV) Rated voltage	3.6/6	6/6 6/10	8.7/10 8.7/15	12/20	18/30	21/35	26/35
1	线芯直流电阻(Ω/km) Conductor DC resistance(Ω/km)	见下表 See next table						
2	例行局部放电试验,施加2Uo Routine partial discharge test at2Uo	局放量不超过5pC Discharge magnitude shall not exceed 5pC						
3	例行交流耐压试验(kv/min) Routine A.C.voltage test Uo 为 18kv 及以下电缆,施加 3.5Uo 持续5分钟不击穿。 For cable of Uo≤18kV,test voltage of 3.5Uo shall be applied for 5 minutes and no breakdown of insulation shall occur; Uo为18kV以上电缆，施加3.5Uo持续5分钟或施加2.5Uo持续30分钟不击穿 For cable of Uo > 18kV,test voltage of 3.5Uo shall be applied for 5 minutes or 2.5Uo shall be applied for 30 minutes,no breakdown of insulation shall occur;	12.6/5	21/5	30.5/5	42/5	63/5	73.5/5 或(or) 52.5/30	91/5 或(or) 65/30
4	4h工频电压试验(kv) Power frequency AC voltage test for 4 hours(kV)	14.4	24	34.8	48	72	84	104
5	热延伸试验：Hot set test 200℃ 15min,20N/cm^2 载荷下最大伸长率(%) Max.elongation at loading(%) 冷却后最大永久伸长率(%) Max.permanent elongation after cooling(%)			130 15				
6	热冲击试验:(kV) (加热到长期工作温度高5℃〈正负极各10次〉) Hot impact test(kV) (Heating till 5℃ higher than continuous operating temperature〈positive & negative pole each 10 times〉)	60	75	95	125	170	200	250
7	其它试验 Other tests	见Q/320481LL019-2003 See Q/320481LL019-2003						

线芯直流电阻
Conductor DC resistance

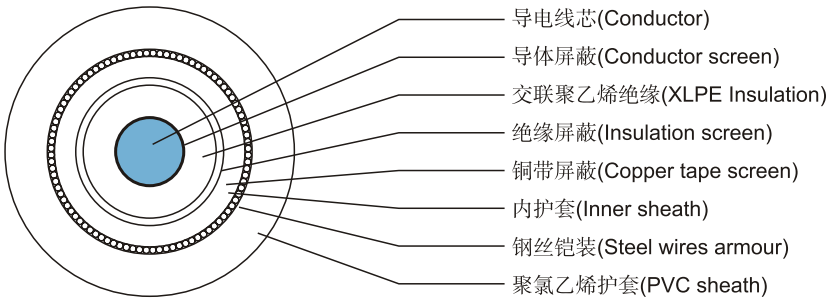
表 table

标称截面(mm²) Nominal cross sectional area (mm²) / 20℃时直流电阻不大于(Ω/km)20℃,the DC. Resistance is not more than	25	35	50	70	95	120	150	185
Cu	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991
Al	1.20	0.868	0.641	0.443	0.320	0.253	0.206	0.164

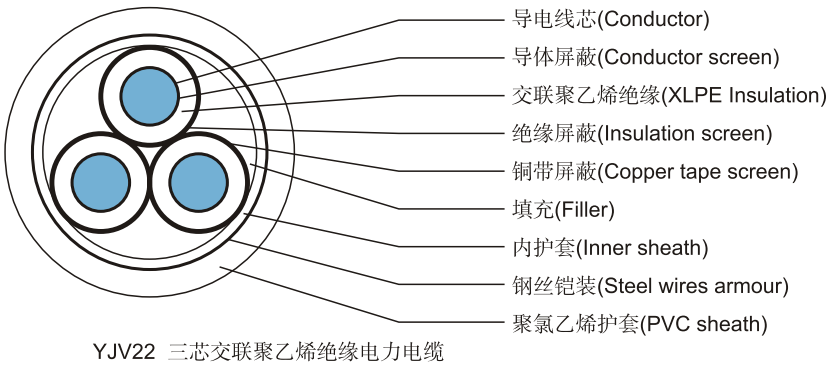
续表 table continued

标称截面(mm²) Nominal cross sectional area (mm²) / 20℃时直流电阻不大于(Ω/km)20℃,the DC. Resistance is not more than	240	300	400	500	630	800	1000
Cu	0.0754	0.0601	0.0470	0.0366	0.0283	0.0221	0.0176
Al	0.125	0.100	0.0778	0.0605	0.0469	0.0367	0.0291

电缆结构
Cable cross-sectional drawing



YJV32 单芯交联聚乙烯绝缘电力电缆
single core XLPE insulated steel wire armoured power cable



YJV22 三芯交联聚乙烯绝缘电力电缆
three-core XLPE insulated steel tape armoured power cable

18/30～26/35kV 单芯交联聚乙烯绝缘电力电缆连续负荷参考载流量(A)

Continuous current capacity of single core XLPE insulated power cable with rated voltage 18/30kV to 26/35kV

型号 Type	YJV YJLY YJY YJLY							
排列方式 arrange type	三角形(相互接触) Delta(connect each other)				扁平形(相邻间距等于电缆外径) Flat(the space betweem adjacent cores is the overall diameter of cable)			
敷设方式 laying method / 标准截面mm² Nominal cross section area(mm²)	在空气中 in air		直埋土壤中 direct buired		在空气中 in air		直埋土壤中 direct buired	
	Cu	Al	Cu	Al	Cu	Al	Cu	Al
50	215	170	260	200	250	190	225	175
70	270	210	320	250	305	240	275	215
95	330	255	390	300	375	290	335	260
120	380	295	445	345	435	335	380	295
150	430	330	500	395	490	380	425	330
185	490	380	570	440	565	435	485	375
240	575	450	665	515	665	520	565	435
300	660	515	750	585	760	590	635	495
400	765	600	867	680	890	695	730	570
500	875	695	980	775	1030	810	830	655
630	1010	810	1110	895	1200	950	950	755
800	1150	940	1250	1020	1380	1110	1080	865
1000	1260	1050	1360	1130	1540	1250	1190	960
环境温度 Ambient temperature	40℃		25℃		40℃		25℃	
工作温度 Operating temperature	90℃							

注:1)单芯钢丝铠装电缆连续负荷参考载流量为非铠装单芯电缆的65%。
Reference continuous current capacity of steel wire armoured single-core cable is 65% of that of non-armoured single-core cable.
2)土壤中未考虑迁移问题，土壤热阻系数按 ρ w=1.0K・m/W。载流量修正系数见下表。
The moisture in soil is not considered.The soil thermal resistivity ρ w=1.0K・m/W.See following table for correction coefficient of reference current carrying capacity.
3)金属屏蔽一端接地。
One end of metal screen shall be earthed.

18/30～26/35kV 三芯交联聚乙烯绝缘电力电缆连续负荷参考载流量(A)

Continuous current capacity of three-core XLPE insulated power cable with rated voltage 18/30kV to 26/35kV

型号 Type	YJV YJLY YJY YJLY				YJV22 YJLV22 YJV32 YJLV32 YJV42 YJLV42 YJY22 YJLY22 YJY32 YJLY32 YJLY42 YJLY42			
敷设方式 laying method / 标准截面mm² Nominal cross section area(mm²)	在空气中 in air		直埋土壤中 direct buired		在空气中 in air		直埋土壤中 direct buired	
	Cu	Al	Cu	Al	Cu	Al	Cu	Al
3×35	150	115	160	125	150	115	160	125
3×50	180	140	190	145	180	140	190	145
3×70	220	170	230	180	220	170	230	180
3×95	265	205	275	215	265	205	275	215
3×120	305	235	315	245	310	240	315	245
3×150	345	270	355	275	350	270	355	275
3×185	390	305	400	310	400	310	400	310
3×240	455	355	460	360	465	360	460	360
3×300	525	410	520	410	535	420	520	410
3×400	600	470	590	465	615	485	590	465
环境温度 Ambient temperature	40℃		25℃		40℃		25℃	
工作温度 Operating temperature	90℃							

注:1)土壤中未考虑水份迁移问题，土壤热阻系数按 ρ w=1.0K・m/W。载流量修正系数见下表。
The moisture in soil is not considered.The soil thermal resistivity ρ w=1.0K・m/W.See following table for correction coefficient of reference current carrying capacity.
2)单根电缆分离敷设，相邻电缆对该电缆没有热效应。
Cable is installed separately,the adjacent cable has no thermal effect on each other.

3.6/6～12/20kV 单芯交联聚乙烯绝缘电力电缆连续负荷参考载流量(A)

Continuous current capacity of single core XLPE insulated power cable with rated voltage 3.6/6kV to 12/20kV

型号 Type	YJV YJLY YJY YJLY							
排列方式 arrange type	三角形(相互接触) Delta(connect each other)				扁平形(相邻间距等于电缆外径) Flat(the space betweem adjacent cores is the overall diameter of cable)			
敷设方式 laying method / 标准截面mm² Nominal cross section area(mm²)	在空气中 in air		直埋土壤中 direct buired		在空气中 in air		直埋土壤中 direct buired	
	Cu	Al	Cu	Al	Cu	Al	Cu	Al
25	145	110	185	145	170	130	160	125
35	175	135	225	175	205	160	190	150
50	210	160	270	210	245	190	230	175
70	260	200	330	255	310	240	280	215
95	320	245	400	310	380	295	335	260
120	370	285	460	345	440	340	385	295
150	420	325	520	400	500	385	430	335
185	460	375	585	455	570	445	490	380
240	565	440	680	530	675	525	565	440
300	650	510	775	605	780	610	640	500
400	755	595	885	700	910	710	735	575
500	865	690	1000	795	1050	825	835	660
630	1000	810	1140	920	1230	970	960	760
800	1140	940	1270	1040	1420	1140	1080	865
1000	1250	1050	1370	1150	1580	1290	1180	970
环境温度 Ambient temperature	40℃		25℃		40℃		25℃	
工作温度 Opertering temperature	90℃							

注:1)单芯钢丝铠装电缆连续负荷参考载流量为非铠装单芯电缆的65%。
Reperence continuous current capacity of steel wire armoured single-core cable is 65% of that of non-armoured single-core cable.
2)土壤中未考虑迁移问题，土壤热阻系数按 ρ w=1.0K・m/W。载流量修正系数见下表。
The moisture in soil is not considered.The soil thermal resistivity ρ w=1.0K・m/W.See following table for correction coefficient of reference current carrying capacity.
3)金属屏蔽一端接地。
One end of metal screen shall be earthed.

3.6/6～12/20kV 三芯交联聚乙烯绝缘电力电缆连续负荷参考载流量(A)

Continuous current capacity of three-core XLPE insulated power cable with rated voltage 18/30kV to 26/35kV

型号 Type	YJV YJLY YJY YJLY				YJV22 YJLV22 YJV32 YJLV32 YJV42 YJLV42 YJY22 YJLY22 YJY32 YJY32 YJLY42 YJLY42			
敷设方式 laying method / 标准截面mm² Nominal cross section area(mm²)	在空气中 in air		直埋土壤中 direct buired		在空气中 in air		直埋土壤中 direct buired	
	Cu	Al	Cu	Al	Cu	Al	Cu	Al
3×25	120	96	135	105	120	90	135	105
3×35	150	115	160	125	145	110	160	125
3×50	175	135	190	150	170	130	190	150
3×70	220	170	235	185	210	165	235	185
3×95	265	205	285	220	265	200	285	220
3×120	305	235	320	250	300	235	320	250
3×150	350	270	365	285	340	265	365	285
3×185	395	310	410	320	390	305	410	320
3×240	465	365	475	370	455	355	475	370
3×300	530	415	535	420	520	410	535	420
3×400	615	485	605	480	600	475	605	480
环境温度 Ambient temperature	40℃		25℃		40℃		25℃	
工作温度 Operating temperature	90℃							

注:1)土壤中未考虑水份迁移问题，土壤热阻系数按 ρ w=1.0K・m/W。载流量修正系数见下表。
The moisture in soil is not considered.The soil thermal resistivity ρ w=1.0K・m/W.See following table for correction coefficient of reference current carrying capacity.
2)单根电缆分离敷设，相邻电缆对该电缆没有热效应。
Cable is installed separately,the adjacent cable has no thermal effect on each other.

不同环境温度下载流量修正系数

Correction coefficient of current-carrying capacity under different ambient temperature.

导体工作温度 (℃) Operating temperature of conductor	环境温度(℃)(空气中) Ambient temperature(in air)								
	10	15	20	25	30	35	40	45	50
60	1.58	1.50	1.41	1.32	1.22	1.11	1.00	0.86	0.73
65	1.48	1.41	1.34	1.26	1.18	1.09	1.00	0.89	0.77
70	1.41	1.35	1.29	1.22	1.15	1.08	1.00	0.91	0.81
80	1.32	1.27	1.22	1.17	1.11	1.06	1.00	0.93	0.86
90	1.26	1.22	1.18	1.14	1.09	1.04	1.00	0.94	0.89
105	1.22	1.19	1.15	1.11	1.08	1.04	1.00	0.95	0.91

不同环境温度下载流量修正系数

Correction coefficient of current-carrying capacity under different ambient temperature.

导体工作温度 (℃) Operating temperature of conductor	环境温度(℃)(土壤中) Ambient temperature(in Soil)					
	10	15	20	25	30	35
60	1.20	1.13	1.07	1.00	0.93	0.85
65	1.17	1.12	1.06	1.00	0.94	0.87
70	1.15	1.11	1.05	1.00	0.94	0.88
80	1.13	1.09	1.04	1.00	0.95	0.90
90	1.11	1.07	1.04	1.00	0.96	0.92

不同土壤热阻系数的载流量修正系数

Correction coefficient of current-carrying capacity for different specific thermal resistivity of ground

电压 Voltage	截面 Sectional area	土壤热阻系数 ρ t(k.m/w) Specific thermal resistivity of ground				
(kV)	(mm^2)	0.8	1.0	1.2	1.5	2.0
3.6/6 ~ 6/6	≤35 50 ~ 150 ≥185	1.06 1.08 1.09	1.00 1.00 1.00	0.95 0.94 0.93	0.88 0.87 0.85	0.80 0.77 0.76
6/10 ~ 12/15	≤35 50 ~ 150 ≥185	1.05 1.06 1.07	1.00 1.00 1.00	0.95 0.94 0.93	0.89 0.88 0.86	0.80 0.79 0.77
12/20 ~ 26/35	≤95 ≥120	1.05 1.06	1.00 1.00	0.95 0.94	0.90 0.83	0.82 0.80

空气中多根电缆并列敷设时的载流量修正系数

Correction coefficient of current-carrying for multi-cable laid in parallel in air.

排列 Array	层数 Layer no .	层数×根数 Layer×Pcs	电缆间隙与电缆直径比 Gap between cables/cables Dia. D/De		载流量的修正系数 Correction factor of current rating	备注 Note
			水平 Level	垂直 Vertical		
多芯电缆平面排列 Plane parallel array of muti-cable		1×2	—	< 5	0.89	e—电缆的间隙 De—电缆外径 排列图例： e=Gap between cables; De=outer Dia.of cables array cutline one layer 一层 one layers:1×3 ◯ ◯ ◯ 二层 Two layers:2×2 ◯ ◯ ◯ ◯ 三层 Three layers:2×2 ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯
		1×3	—	< 0.75	0.84	
	二层	2×1	< 0.5	1.9 ~ 1.5	0.99	
				1.4 ~ 1.0	0.97	
				< 0.5	0.90	
		2×2	< 0.5	2 ~ 1.5	0.99	
				1.49 ~ 1.5	0.97	
				0.9 ~ 0.5	0.90	
	三层	3×1	—	4 ~ 3	0.99	
				2.9 ~ 2.0	0.97	
				1.9 ~ 1.0	0.94	
				< 0.5	0.85	
		3×2 3×3	< 0.5 < 0.75	4 ~ 3	0.99	
				2.9 ~ 2.0	0.97	
				1.9 ~ 1.0	0.94	
				< 0.5	0.85	

导体计算允许最大短路电流

Max.calculated permissible short-circuit current of conductor.

导体标称截面 Nominal cross-sectional area of conductor mm^2	导体允许最大短路电流(1秒) Maximum permissible short-circuit current for conductor(1 secretary.) KA	
	铜导体 Copper conductor	铝导体 Aluminum conductor
10	1.51	0.988
16	2.39	1.56
25	3.69	2.42
35	5.15	3.37
50	7.31	4.79
70	10.2	6.68
95	13.8	9.03
120	17.4	11.4
150	21.7	14.2
185	26.7	17.5
240	34.6	22.6
300	43.1	28.2
400	57.4	37.6
500	71.7	47.0
630	88.8	58.0

金属屏蔽层(铜带屏蔽)的允许最大短路电流(参考值)

Max.permissible short-circuit current for metallic screen(copper tape screen)

YJV 型单芯电缆 Single-core cable

导体标称截面 Nominal cross-section of conductor mm^2	电缆额定电压 Rated voltages of cable(kV)			
	12/20	18/30	21/35	26/35
	短路电流 Short-circuit current A			
25	-	-	-	-
35	1096	-	-	-
50	1095	1284	1286	1288
70	1091	1281	1285	1286
95	1272	1280	1284	1283
120	1271	1279	1280	1282
150	1270	1278	1279	1282
185	1267	1275	1279	1279
240	1266	1274	1276	1278
300	1265	1271	1275	1277
400	1260	1270	1272	1274
500	1257	1266	1272	1273
630	1253	1265	1270	1270

电缆的电容(参考值)

Capacitance of cable(reference value)

导体标称截面 Nominal cross-section of conductor mm^2	电缆额定电压 Rated voltages of cable(kV)			
	12/20	18/30	21/35	26/35
	每相电容 Capacitance for each phase μF/km			
25	0.1378	0.1163	0.1064	0.0992
35	0.1502	0.1251	0.1140	0.1061
50	0.1661	0.1363	0.1239	0.1150
70	0.1868	0.1508	0.1365	0.1263
95	0.2060	0.1643	0.1483	0.1368
120	0.2228	0.1760	0.1584	0.1460
150	0.2418	0.1893	0.1700	0.1563
185	0.2656	0.2060	0.1815	0.1665
240	0.2916	0.2207	0.1972	0.1805
300	0.3175	0.2387	0.2128	0.1745
400	0.3551	0.2648	0.2354	0.2146
500	0.3880	0.2876	0.2551	0.2321
630	0.4278	0.3151	0.2789	0.2533

单芯电缆电感(参考值)

Inductance for single-core cable.(reference value)

导体标称截面 Nominal cross-section of conductor mm²	电缆额定电压 Rated voltages of cable(kV)			
	12/20	18/30	21/35	26/35
	电感 Inductance μH/km			
25	0.6621	0.7006	0.7168	0.7273
35	0.6390	0.6762	0.6942	0.7021
50	0.6145	0.6501	0.6675	0.6751
70	0.5919	0.5252	0.6394	0.6467
95	0.5726	0.6043	0.6180	0.6279
120	0.5586	0.5891	0.6051	0.6118
150	0.5449	0.5740	0.5895	0.5959
185	0.5351	0.5640	0.5760	0.5839
240	0.5216	0.5487	0.5615	0.5677
300	0.5102	0.5376	0.5484	0.5540
400	0.4991	0.5219	0.5343	0.5395
500	0.4907	0.5128	0.5224	0.5272
630	0.4827	0.5012	0.5101	0.5161

*:S-相邻两根电缆的中心距离，D-电缆外径
S-The distance between the two adjacent cable center,D-The overall diameter of the cable.

三芯电缆电感(参考值)

Inductance for three-core cable(reference value)

导体标称截面 Nominal cross-section of conductor mm²	电缆额定电压 Rated voltages of cable(kV)		
	12/20	18/30	26/35
	电感 Inductance μH/km		
25	-	-	-
35	0.4064	-	-
50	0.3845	0.4396	0.4679
70	0.3620	0.4145	0.4427
95	0.3454	0.3956	0.4208
120	0.3392	0.3799	0.4019
150	0.3217	0.3642	0.3862
185	0.3145	0.3485	0.3737
240	0.3030	0.3360	0.3611
300	0.2935	0.3266	0.3485
400	0.2822	0.3041	0.3266
500	0.2742	-	-
630	-	-	-

聚氯乙烯绝缘电力电缆
PVC Insulated Power Cable

一、额定电压1kV(Um=1.2kV)和3kV(Um=3.6kV)电缆 GB/T 12706.1-2002

二、使用特性

工作温度

导体最高额定工作温度70℃

导体短路温度：

最高温度不得超过160℃，最长时间不超过5秒

弯曲半径：

单芯电缆最小弯曲半径：20D
多芯电缆最小弯曲半径：15D
D=电缆试样的实际外径（mm）

敷设温度：

电缆敷设温度不低于0℃
计算电缆载流量采用敷设方式和基准参数：
空气中敷设：环境温度40℃
土壤中敷设：环境温度25℃
土壤热阻系数为1.0K·m/W

单芯电缆排列方式为三角形（相互接触）。

2. Service performance

Operating temperature

Max. Permissible continuous operating temperature of Conductors shall not exceed 70℃

Conductor Short circuit temperature

Not exceeding 160℃. Max. Sustaining period: Not exceeding 5 seconds.

Bending radius:

Bending radius of single core cable: 20D
Bending radius multi-core cable: 15D
D=Actual overall diameter of cable sample(mm)

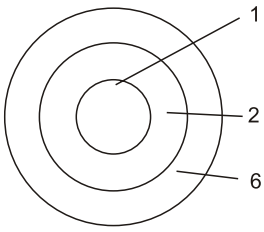
Installation temperature:

The lowest temperature of installation is 0℃
Current ratings and basic parameters are catculated under the following cable laying conditions and basic ambient temperature.

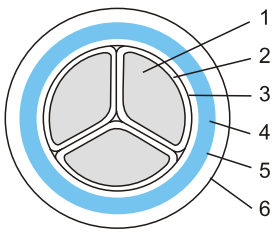
method of laying	Basic amblent temperature
In air	40℃
Direct burial	25℃
	Soil thermal resistivity 1.0 K·m/W

Layout of single core cables: In parallel (Connect each other)

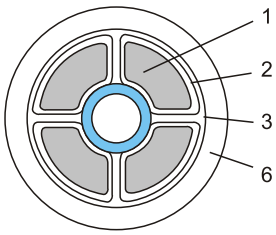
三、产品结构示意图 Constructed Profiles of the Products



0.6/1kV单芯无铠装VV、VLV
Single-core non-armoured VV、VLV



0.6/1kV三芯带铠装VV22、VLV22
Three-core steel tape armoured VV22、VLV22



0.6/1kV“4+1”芯无铠装VV、VLV
4+1 core non-armoured VV、VLV

1、导体 Conductor　2、聚氯乙烯绝缘 PVC Insulation　3、包带 Fille　4、内护层 Inner Covering　5、铠装 Armour　6、外护套 PVC Oversheath

四、生产范围 Scope of cables

芯数 No .of cores	导电线芯标称截面 Nominal area of condutor (mm)		
	V V、VLV	V V $_{22}$、VLV$_{22}$	VV$_{32}$、VLV$_{32}$
1*	1.5-400	10-300	10-300
2	1.5-240	4-300	25-185
3	1.5-240	4-300	4-240
3+1	4-240	4-300	25-185
4	4-240	4-240	25-185
3+2	4-300	4-300	
4+1	4-240	4-240	
5	4-95	4-95	

*、单芯电缆铠装应采用非磁性材料。

聚氯乙烯绝缘电力电缆
PVC Insulated Power Cable

五、型号、名称及用途
Type,description and main applications

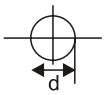
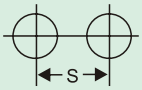
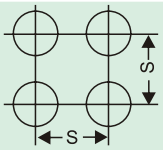
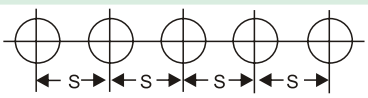
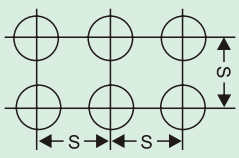
表1 Table 1

型号 TYPE	名称 Description	适用范围 Main application
VV VLV	铜芯或铝芯聚氯乙烯绝缘聚氯乙烯护套电力电缆 Cu or Al conductor PVC insulated PVC sheathed power cable	适用于室内外敷设，可经受一定的敷设牵引，但不能承受机械外力作用的场合。单芯电缆不允许敷设在磁性管道中。 For laying indoor and outdoor, unable to bear extermal mechanical force but the tractive force during laying. Laying Single core cable in magnetic duct is not permissible.
V V 22 VLV22	铜芯或铝芯聚氯乙烯绝缘钢带铠装聚氯乙烯护套电力电缆 Cu or Al conductor insulated steel tape armoured PVC sheathed power cable	适用于埋地敷设，能承受机械外力作用，但不能随承受大的拉力。 For laying underground, able to bear external mechanical force, but unable to bear large pulling force.
V V32 VLV32	铜芯或铝芯聚氯乙烯绝缘细钢丝铠装聚氯乙烯护套电力电缆 Cu or Al conductor XLPE insulated fine steel wire armoured PVC sheathed power cable	适用于埋地、竖井和水下敷设，能承受一定的拉力。 For laying underground, vertical well, or underwater, able to bear certain pulling force.

注：阻燃型电力电缆的型号在普通电力电缆的型号前加“ZR”，例如：ZR-VV、ZR-VLV22、ZR-VV32等。其阻燃性能符合GB/T 18380.1~18380.3——2001标准的要求。

Note: “ZR” is added before the type of common power cable to form fire-retarding power cable type. ZR-VV,ZR-VLV22,ZR-VV32 and so on, for instance Fire retardant performance should be in accordance with the stipulation of GB/T 18380.1~18380.3——2001

六、电缆在空气中多根并列敷设时的载流量修正系数
Rating factors of current parallel installation of several cable in air

敷设根数 Lengths installed	排 列 Arrangement	S=d	S=2d	S=3d
1		1.00	1.00	1.00
2		0.85	0.95	1.00
3		0.80	0.90	1.00
4		0.70	0.90	0.95
5		0.70	0.90	0.95
6		0.60	0.90	0.95

注：d为电缆外径

Note:d =O.D of cable

单芯聚氯乙烯绝缘、聚氯乙烯护套电力电缆
Single- core PVC Insulated PVC Sheathed Power Cable

额定电压 AC Rated Voltage	标称截面 Nom. Cross-section mm²	绝缘标称厚度 Nom. insulation thickness mm	护套标称厚度 Nom. sheath thickness mm	电缆近似外径 Approx OD of cable mm	电缆近似重量 Apporx weight of cable kg/km		20℃导体最大直流电阻 Max.DC Resistance of Conductor at 20℃ Ω/km		电缆载流量 Current Rating (A)			
									土壤敷设 Direct in ground		空气敷设 Run in air	
					VV	VLV	铜Cu	铝Al	铜芯Cu	铝芯Al	铜芯Cu	铝芯Al
0.6/1kv	1.5	0.8	1.4	6	51	42	12.1	-	-	-	-	-
	2.5	0.8	1.4	7	64	49	7.41	12.1	36	27	25	19
	4	1.0	1.4	8	90	65	4.61	7.41	47	35	33	26
	6	1.0	1.4	8	113	76	3.08	4.61	58	46	41	34
	10	1.0	1.4	9	158	98	1.83	3.08	78	58	57	44
	16	1.0	1.4	10	221	125	1.15	0.91	100	76	76	59
	25	1.2	1.4	12	321	171	0.727	1.20	130	98	98	76
	35	1.2	1.4	13	420	210	0.524	0.868	155	115	115	90
	50	1.4	1.4	15	579	279	0.387	0.641	185	140	145	110
	70	1.4	1.5	17	778	358	0.268	0.443	225	170	180	140
	95	1.6	1.5	19	1032	462	0.193	0.320	270	205	225	175
	120	1.6	1.6	20	1276	556	0.153	0.253	310	235	260	200
	150	1.8	1.7	22	1585	684	0.124	0.206	350	265	300	230
	185	2.0	1.7	24	1933	822	0.0991	0.164	395	300	345	270
	240	2.2	1.8	27	2477	1036	0.0754	0.125	455	350	410	320
	300	2.4	1.9	30	3074	1273	0.0601	0.100	515	395	475	370

二芯聚氯乙烯绝缘、聚氯乙烯护套电力电缆
Two- core PVC Insulated PVC Sheathed Power Cable

额定电压 AC Rated Voltage	标称截面 Nom. Cross-section mm²	绝缘标称厚度 Nom. insulation thickness mm	铠装钢带厚度 Steel tape thickness mm	护套标称厚度 Nom. sheath thickness mm		电缆近似外径 Approx OD of cable mm		电缆近似重量 Apporx weight of cable kg/km				20℃导体最大直流电阻 Max.DC Resistance of Conductor at 20℃ Ω/km		电缆载流量 Current Rating (A)			
														土壤敷设 Direct in ground		空气敷设 Run in air	
				VV VLV	V V22 VLV22	VV VLV	V V22 VLV22	VV	VLV	V V22	VLV22	铜Cu	铝Al	铜芯Cu	铝芯Al	铜芯Cu	铝芯Al
0.6/1kv	1.5	0.8	0.2	1.8	-	11	-	124	105	-	-	12.1	20.16	26	-	17	-
	2.5	0.8	0.2	1.8	-	12	-	151	120	-	-	7.41	12.1	34	26	23	18
	4	1.0	0.2	1.8	1.8	14	16	213	164	361	312	4.61	7.41	44	35	31	24
	6	1.0	0.2	1.8	1.8	15	17	271	197	430	356	3.08	4.61	556	45	38	32
	10	1.0	0.2	1.8	1.8	17	19	364	244	548	428	1.83	3.08	76	59	53	42
	16	1.0	0.2	1.8	1.8	19	21	494	302	702	509	1.15	1.91	100	77	71	55
	25	1.2	0.2	1.8	1.8	22	24	702	402	946	646	0.727	1.20	125	100	90	70
	35	1.2	0.2	1.8	1.8	24	25	902	482	1170	749	0.524	0.868	155	120	110	86
	50	1.4	0.2	1.8	1.8	23	26	1182	580	1418	829	0.387	0.641	185	145	135	105
	70	1.4	0.2	1.9	1.9	25	28	15779	737	1849	1016	0.268	0.443	230	175	165	130
	95	1.6	0.5	2.0	2.1	29	33	2111	969	2478	1606	0.193	0.320	275	210	210	165
	120	1.6	0.5	2.1	2.2	31	35	2598	1156	3218	1839	0.153	0.253	310	245	245	190
	150	1.8	0.5	2.2	2.3	34	38	3232	1429	3958	2172	0.124	0.206	350	275	280	215
	185	2.0	0.5	2.4	2.4	38	42	3974	1749	4787	2562	0.0991	0.164	395	310	320	250
	240	2.2	0.5	2.6	2.6	42	46	5092	2206	5948	3093	0.0754	0.125	455	350	375	295

三芯聚氯乙烯绝缘、聚氯乙烯护套电力电缆
Three-core PVC Insulated PVC Sheathed Power Cable

额定电压 AC Rated Voltage	标称截面 Nom. Cross-section mm^2	绝缘标称厚度 Nom. insulation thickness mm	铠装钢带厚度 Steel tape thickness mm	护套标称厚度 Nom. sheath thickness mm		电缆近似外径 Approx OD of cable mm		电缆近似重量 Apporx weight of cable kg/km				20℃导体最大直流电阻 Max.DC Resistance of Conductor at 20℃ Ω/km		电缆载流量 Current Rating (A)			
														土壤敷设 Direct in ground		空气敷设 Run in air	
				VV VLV	V V22 VLV22	VV VLV	V V22 VLV22	VV	VLV	V V22	VLV22	铜Cu	铝Al	铜芯Cu	铝芯Al	铜芯Cu	铝芯Al
0.6/1kv	1.5	0.8	-	1.8	-	11	-	147	119	-	-	12.1	18.9	22	-	15	-
	2.5	0.8	-	1.8	-	12	-	186	139	-	-	7.41	12.1	29	23	19	15
	4	1.0	0.2	1.8	1.8	14	17	261	187	417	343	4.61	7.41	38	30	26	20
	6	1.0	0.2	1.8	1.8	15	18	332	220	500	389	3.08	4.61	47	39	32	26
	10	1.0	0.2	1.8	1.8	18	20	464	283	658	478	1.83	3.08	65	50	46	35
	16	1.0	0.2	1.8	1.8	20	22	658	369	878	589	1.15	1.91	84	65	60	47
	25	1.2	0.2	1.8	1.8	23	26	958	508	1218	767	0.727	1.20	110	84	77	60
	35	1.2	0.2	1.8	1.8	25	28	1253	621	1538	906	0.524	0.868	130	100	95	74
	50	1.4	0.2	1.8	1.9	26	28	1718	817	1991	1108	0.387	0.641	155	120	115	90
	70	1.4	0.2	1.9	2.0	28	32	2298	1036	2894	1645	0.268	0.443	195	150	145	115
	95	1.6	0.5	2.1	2.2	32	36	3101	1388	2808	2095	0.193	0.320	230	185	185	140
	120	1.6	0.5	2.2	2.3	35	39	3822	1658	4585	2420	0.153	0.253	260	205	210	165
	150	1.8	0.5	2.4	2.4	39	43	4762	2057	5548	2871	0.124	0.206	300	230	245	190
	185	2.0	0.5	2.5	2.6	43	47	5836	2500	6764	3429	0.0991	0.164	335	260	280	215
	240	2.2	0.5	2.7	2.7	48	52	7489	3162	8438	4155	0.0754	0.125	390	300	335	260

三大一小聚氯乙烯绝缘聚氯乙烯护套电力电缆
(3+1)-core PVC Insulated PVC Sheathed Power Cable

额定电压 AC Rated Voltage	标称截面 Nom. Cross-section mm^2	绝缘标称厚度 Nom. insulation thickness mm	铠装钢带厚度 Steel tape thickness mm	护套标称厚度 Nom. sheath thickness mm		电缆近似外径 Approx OD of cable mm		电缆近似重量 Apporx weight of cable kg/km				20℃导体最大直流电阻 Max.DC resistance of Conductor at 20℃ Ω/km		电缆载流量 Current Rating (A)			
														土壤敷设 Direct in ground		空气敷设 Run in air	
				VV VLV	V V22 VLV22	VV VLV	V V22 VLV22	VV	VLV	V V22	VLV22	铜Cu	铝Al	铜芯Cu	铝芯Al	铜芯Cu	铝芯Al
0.6/1kv	3×4+1×2.5	1.0 0.8	0.2	1.8	1.8	15	17	304	215	481	391	4.61 7.41	7.41 12.1	38	30	26	20
	3×6+1×4	1.0 1.0	0.2	1.8	1.8	16	19	398	261	593	457	3.08 4.61	4.61 7.41	47	39	32	26
	3×10+1×6	1.0 1.0	0.2	1.8	1.8	17	21	546	328	778	560	1.83 3.08	3.08 4.61	65	50	46	35
	3×16+1×10	1.0 1.0	0.2	1.8	1.8	21	24	790	441	1045	696	1.15 1.83	1.91 3.08	84	65	60	47
	3×25+1×16	1.2 1.0	0.2	1.8	1.8	25	27	1148	601	1499	902	0.727 1.15	1.20 1.91	110	84	77	60
	3×25+1×16	1.2 1.0	0.2	1.8	1.8	26	29	1439	712	1763	1036	0.524 1.15	0.868 1.91	130	100	95	74
	3×50+1×25	1.4 1.2	0.5	1.9	1.9	27	30	2008	955	2617	1564	0.387 0.727	0.641 1.20	155	120	115	90
	3×70+1×35	1.4 1.2	0.5	2.0	2.0	30	34	2718	1245	3372	1924	0.268 0.524	0.443 0.868	195	150	145	115
	3×95+1×50	1.6 1.4	0.5	2.2	2.2	35	38	3657	1644	4415	2425	0.193 0.387	0.320 0.641	230	185	185	140
	3×120+1×70	1.6 1.4	0.5	2.3	2.3	38	41	4568	1983	5423	2843	0.153 0.268	0.253 0.443	260	205	210	165
	3×150+1×70	1.8 1.4	0.5	2.4	2.4	42	45	5499	1373	6452	3330	0.124 0.268	0.206 0.443	300	230	245	190
	3×185+1×95	2.0 1.6	0.5	2.6	2.6	46	50	6844	2936	7862	3989	0.0981 0.193	0.164 0.320	335	260	280	215
	3×240+1×120	2.2 1.6	0.5	2.8	2.8	52	56	8737	3687	9938	4888	0.0754 0.153	0.125 0.253	390	300	335	260

四芯等截面聚氯乙烯绝缘、聚氯乙烯护套电力电缆
Four-core Same Cross Section PVC Insulated PVC Sheathed Power Cable

额定电压 AC Rated Voltage	标称截面 Nom. Cross-section mm²	绝缘标称厚度 Nom. insulation thickness mm	铠装钢带厚度 Steel tape thickness mm	护套标称厚度 Nom. sheath thickness mm		电缆近似外径 Approx OD of cable mm		电缆近似重量 Apporx weight of cable kg/km				20℃导体最大直流电阻 Max.DC Resistance of Conductor at 20℃ Ω/km		电缆载流量 Current Rating (A)			
														土壤敷设 Direct in ground		空气敷设 Run in air	
				VV VLV	VV22 VLV22	VV VLV	VV22 VLV22	VV	VLV	VV22	VLV22	铜Cu	铝Al	铜芯Cu	铝芯Al	铜芯Cu	铝芯Al
0.6/1kv	4	1.0	0.2	1.8	1.8	15	18	328	229	497	398	4.61	7.41	38	30	26	20
	6	1.0	0.2	1.8	1.8	17	19	420	272	604	456	3.08	4.61	47	39	32	26
	10	1.0	0.2	1.8	1.8	19	22	598	357	813	570	1.83	3.08	65	50	45	35
	16	1.0	0.2	1.8	1.8	22	24	852	467	1096	709	1.15	1.91	84	65	60	47
	25	1.2	0.2	1.8	1.8	25	28	1247	645	1538	933	0.727	1.20	110	84	77	60
	35	1.2	0.5	1.8	1.8	28	31	1635	793	2245	1397	0.524	0.868	130	100	95	74
	50	1.4	0.5	1.9	2.0	29	33	2256	1053	2862	1676	0.387	0.641	155	120	115	90
	70	1.4	0.5	2.1	2.1	32	36	3044	1360	3726	2047	0.268	0.443	195	150	145	115
	95	1.6	0.5	2.2	2.3	36	41	4073	1789	4898	2597	0.193	0.320	230	185	185	140
	120	1.6	0.5	2.3	2.4	40	44	5032	2147	5926	3021	0.153	0.253	260	205	210	165
	150	1.8	0.5	2.5	2.6	44	48	6293	2687	7236	3641	0.124	0.206	300	230	245	190
	185	2.0	0.5	2.7	2.7	49	53	7733	3284	8832	4352	0.0991	0.164	335	260	280	215
	240	2.2	0.5	2.8	2.9	55	59	9933	4162	11059	5307	0.0754	0.125	390	300	335	260

四大一小聚氯乙烯绝缘、聚氯乙烯护套电力电缆
（4+1）-core PVC Insulated PVC Sheathed Power Cable

额定电压 AC Rated Voltage	标称截面 Nom. Cross-section mm²	绝缘标称厚度 Nom. insulation thickness mm	铠装钢带厚度 Steel tape thickness mm	护套标称厚度 Nom. sheath thickness mm		电缆近似外径 Approx OD of cable mm		电缆近似重量 Apporx weight of cable kg/km				20℃导体最大直流电阻 Max.DC Resistance of Conductor at 20℃ Ω/km		电缆载流量 Current Rating (A)			
														土壤敷设 Direct in ground		空气敷设 Run in air	
				VV VLV	VV22 VLV22	VV VLV	VV22 VLV22	VV	VLV	VV22	VLV22	铜Cu	铝Al	铜芯Cu	铝芯Al	铜芯Cu	铝芯Al
0.6/1kv	4×4+1×2.5	1.0 0.8	0.2	1.8	-	16	-	369	-	255	-	4.61 7.41	7.41 12.1	38	30	26	20
	4×6+1×4	1.0 1.0	0.2	1.8	-	18	-	483	-	310	-	3.08 4.61	4.61 7.41	47	39	32	26
	4×10+1×6	1.0 1.0	0.2	1.8	1.8	20	23	677	956	399	671	1.83 3.08	3.08 4.61	65	50	46	35
	4×16+1×10	1.0 1.0	0.2	1.8	1.8	23	26	968	1290	523	832	1.15 1.83	1.91 3.08	84	65	60	47
	4×25+1×16	1.2 1.0	0.2	1.8	1.8	27	29	1432	1742	734	1024	0.727 1.15	1.20 1.91	110	84	77	60
	4×35+1×16	1.2 1.0	0.2	1.8	2.0	28	32	1819	2552	881	1586	0.524 1.15	0.868 1.91	130	100	95	74
	4×50+1×25	1.4 1.2	0.5	1.9	2.0	29	34	2520	3173	1167	1780	0.387 0.727	0.641 1.20	155	120	115	90
	4×70+1×35	1.4 1.2	0.5	2.0	2.1	31	35	3388	4118	1494	2168	0.268 0.524	0.443 0.868	15	150	145	115
	4×95+1×50	1.6 1.4	0.5	2.1	2.2	37	40	4567	5430	1982	2768	0.193 0.387	0.320 0.641	230	185	185	140
	4×120+1×70	1.6 1.4	0.5	2.2	2.3	39	42	5694	6590	2388	3186	0.153 0.268	0.253 0.443	260	205	210	165
	4×150+1×70	1.8 1.4	0.5	2.4	2.4	42	46	6928	8150	2900	4003	0.124 0.268	0.206 0.443	300	230	245	190
	4×185+1×95	2.0 1.6	0.5	2.7	2.7	49	52	8673	9940	3654	4771	0.0991 0.093	0.164 0.320	335	260	280	215
	4×240+1×120	2.2 1.6	0.5	2.8	2.8	54	58	11060	13022	4568		0.0754 0.153	0.125 0.253	390	300	335	260

三大二小聚氯乙烯绝缘聚氯乙烯护套电力电缆
（3+2）-core PVC Insulated PVC Sheathed Power Cable

额定电压 A.C. Rated Voltage	标称截面 Nom. Cross-section mm²	绝缘标称厚度 Nom. insulation Thickness mm	铠装钢带厚度 Steel Tape Thickness mm	护套标称厚度 Nom. Sheath Thickness mm		电缆近似外径 Approx O.D of cable mm		电缆近似重量 Apporx weight of cable kg/km				20℃导体最大直流电阻 Max.D.C.Resistance of Conductor at 20℃ Ω/km		电缆载流量 Current Rating (A)			
														土壤敷设 Direct in Ground		空气敷设 Run In Air	
				VV VLV	VV22 VLV22	VV VLV	VV22 VLV22	VV	VLV	VV22	VLV22	铜Cu	铝Al	铜芯Cu	铝芯Al	铜芯Cu	铝芯Al
0.6/1kv	3×4+2×2.5	1.0 0.8	0.2	1.8	1.8	16	18	336	231	533	427	4.61 7.41	7.41 12.1	38	30	26	20
	3×6+2×4	1.0 1.0	0.2	1.8	1.8	17	20	444	284	671	510	3.08 4.61	4.61 7.41	47	39	32	26
	4×10+2×6	1.0 1.0	0.2	1.8	1.8	20	22	616	361	875	620	1.83 3.08	3.08 4.61	65	50	46	35
	3×16+2×10	1.0 1.0	0.2	1.8	1.8	23	25	883	474	1181	772	1.15 1.83	1.91 3.08	84	65	60	47
	3×25+2×16	1.2 1.0	0.2	1.8	1.8	26	29	1305	662	1670	1026	0.727 1.15	1.20 1.91	110	84	77	60
	3×35+2×16	1.2 1.0	0.2	1.8	1.9	28	32	1606	782	2286	1462	0.524 1.15	0.868 1.91	130	100	95	74
	3×50+2×25	1.4 1.2	0.5	1.9	2.0	33	36	2293	1090	3095	1892	0.387 0.727	0.641 1.20	155	120	115	90
	4×70+2×35	1.4 1.2	0.5	2.1	2.1	36	40	3051	1367	3903	2245	0.268 0.524	0.443 0.868	195	150	145	115
	3×95+2×50	1.6 1.4	0.5	2.2	2.3	42	46	4138	1824	5132	2847	0.193 0.387	0.320 0.641	230	185	185	140
	3×120+2×70	1.6 1.4	0.5	2.4	2.4	45	49	5244	2238	6362	3365	0.153 0.268	0.253 0.443	260	205	210	165
	3×150+2×70	1.8 1.4	0.5	2.5	2.6	50	54	6209	2662	7446	3907	0.124 0.268	0.206 0.443	300	230	245	190
	3×185+2×95	2.0 1.6	0.5	2.7	2.7	55	59	7783	3304	9156	4712	0.0991 0.093	0.164 0.320	335	260	280	215
	3×240+2×120	2.2 1.6	0.5	2.9	3.0	62	66	9943	4172	11518	5474	0.0754 0.153	0.125 0.253	390	300	335	260

五芯等截面聚氯乙烯绝缘、聚氯乙烯护套电力电缆
Five-core same Cross-Section PVC Insulated PVC Sheathed Power Cable

额定电压 A.C. Rated Voltage	标称截面 Nom. Cross-section mm²	绝缘标称厚度 Nom. insulation Thickness mm	铠装钢带厚度 Steel Tape Thickness mm	护套标称厚度 Nom. Sheath Thickness mm		电缆近似外径 Approx O.D of cable mm		电缆近似重量 Apporx weight of cable kg/km				20℃导体最大直流电阻 Max.D.C.Resistance of Conductor at 20℃ Ω/km		电缆载流量 Current Rating (A)			
														土壤敷设 Direct in Ground		空气敷设 Run In Air	
				VV VLV	VV22 VLV22	VV VLV	VV22 VLV22	VV	VLV	VV22	VLV22	铜Cu	铝Al	铜芯Cu	铝芯Al	铜芯Cu	铝芯Al
0.6/1kv	5×4	1.0	0.2	1.8	1.8	17	19	465	620	265	457	4.61	7.41	38	30	26	20
	5×6	1.0	0.2	1.8	1.8	18	21	617	780	317	530	3.08	4.61	47	39	32	26
	5×10	1.0	0.2	1.8	1.8	21	23	815	1030	446	722	1.83	3.08	65	50	45	35
	5×16	1.0	0.2	1.8	1.8	24	36	1167	1475	608	906	1.15	1.91	84	65	60	47
	5×25	1.2	0.5	1.8	2.0	28	32	1753	2310	696	1601	0.727	1.20	110	84	77	60
	5×35	1.2	0.5	1.9	2.1	31	35	2277	2996	1138	1937	0.524	0.868	130	100	95	74
	5×50	1.4	0.5	2.1	2.2	36	40	2918	3699	1423	2312	0.387	0.641	155	120	115	90
	5×70	1.4	0.5	2.2	2.4	41	46	3982	4970	1859	2891	0.268	0.443	195	150	145	115
	5×95	1.6	0.5	2.4	2.6	47	52	5438	6229	2503	3715	0.193	0.320	230	185	185	140

单芯聚氯乙烯绝缘、钢带铠装（细钢丝铠装）、聚氯乙烯护套电力电缆

Single-core PVC Insulated PVC Sheathed Power Cable with steel tape armour (or thin steel wire armour)

额定电压 AC Rated Voltage	标称截面 Nom. Cross-section mm^2	绝缘标称厚度 Nom. insulation thickness mm	铠装钢带厚度 Steel tape thickness mm	铠装钢丝直径 Dia. Of Steel wire mm	护套标称厚度 Nom. sheath thickness mm		电缆近似外径 Approx OD of cable mm		电缆近似重量 Apporx weight of cable kg/km				20℃导体最大直流电阻 Max.DC Resistance of Conductor at 20℃ Ω/km		电缆载流量 Current Rating (A)			
															土壤敷设 Direct in ground		空气敷设 Run in air	
					VV22 VLV22	VV32 VLV32	VV22 VLV22	VV32 VLV32	Vv22	VLV22	VV32	VLV32	铜Cu	铝Al	铜芯Cu	铝芯Al	铜芯Cu	铝芯Al
0.6/1kv	10	0.2	0.2	1.25	1.4	-	12	-	305	243	-	-	1.83	3.08	78	58	57	44
	16	0.2	0.2	1.6	1.4	-	14	-	338	249	-	-	1.15	1.91	100	76	76	59
	25	0.2	0.2	2.0	1.4	-	15	-	457	308	-	-	0.727	1.30	130	98	98	76
	35	0.2	0.5	2.5	1.5	-	16	-	620	410	-	-	0.524	0.868	155	11	11	96
	50	0.2	0.5	2.5	1.5	1.6	17	22	740	443	932	635	0.387	0.641	185	14	14	11
	70	0.2	0.8	3.15	1.6	1.6	20	25	1160	727	1484	1055	0.268	0.443	225	17	18	14
	95	0.2	0.8	3.15	1.6	1.7	22	28	1238	740	1848	1254	0.193	0.320	270	20	22	17
	120	0.2	0.8	3.15	1.7	1.8	24	30	1532	821	2154	1402	0.153	0.253	310	23	26	20
	150	0.2	0.8	3.15	1.8	1.9	26	32	1865	976	2569	1600	0.124	0.206	350	26	30	23
	185	0.2	0.8	3.15	1.8	1.9	28	34	2275	1130	2996	1837	0.099	0.164	395	30	34	27
	240	0.2	0.8	3.15	1.9	2.1	31	39	2820	1399	3963	2441	0.075	0.125	455	35	41	32
	300	0.2	0.8	3.15	2.0	2.2	35	42	3792	2019	4730	2822	0.060	0.100	515	39	47	37

二芯聚氯乙烯绝缘、细钢丝铠装、聚氯乙烯护套电力电缆

Two-core PVC Insulated PVC Sheathed Power Cable with thin steel tape armour

额定电压 AC Rated Voltage	标称截面 Nom. Cross-section mm^2	绝缘标称厚度 Nom. insulation thickness mm	铠装钢丝直径 Dia. Of Steel wire mm	护套标称厚度 Nom. sheath thickness mm	电缆近似外径 Approx OD of cable mm	电缆近似重量 Apporx weight of cable kg/km		20℃导体最大直流电阻 Max.DC Resistance of Conductor at 20℃ Ω/km		电缆载流量 Current Rating (A)			
										土壤敷设 Direct in ground		空气敷设 Run in air	
						铜芯Cu	铝芯Al	铜Cu	铝Al	铜芯Cu	铝芯Al	铜芯Cu	铝芯Al
0.6/1kv	2.5	0.8	-	-	-	-	-	-	-	-	-	-	-
	4	1.0	-	-	-	-	-	-	-	-	-	-	-
	6	1.0	-	-	-	-	-	-	-	-	-	-	-
	10	1.0	-	-	-	-	-	-	-	-	-	-	-
	16	1.0	-	-	-	-	-	-	-	-	-	-	-
	25	1.2	1.6	1.8	26	1345	1035	0.727	1.20	125	100	90	70
	35	1.2	1.6	1.8	28	1607	1174	0.524	0.868	155	120	110	86
	50	1.4	1.6	1.9	32	2234	1615	0.387	0.641	185	145	135	105
	70	1.4	2.0	1.9	35	2773	1905	0.268	0.443	230	175	165	130
	95	1.6	2.0	2.1	39	3465	2288	0.193	0.320	275	210	210	165
	120	1.6	2.0	2.2	42	4094	2607	0.153	0.253	310	245	245	190
	150	1.8	2.5	2.3	47	5329	3471	0.124	0.206	350	275	280	215
	185	2.0	2.5	2.4	55	6426	4134	0.0991	0.164	395	310	320	250

三芯聚氯乙烯绝缘、细钢丝铠装、聚氯乙烯护套电力电缆

Three-core PVC Insulated PVC Sheathed Power Cable with thin steel tape armour

额定电压 AC Rated Voltage	标称截面 Nom. Cross-section mm^2	绝缘标称厚度 Nom. insulation thickness mm	铠装钢丝直径 Dia. of steel wire mm	护套标称厚度 Nom. sheath thickness mm	电缆近似外径 Approx OD of cable mm	电缆近似重量 Apporx weight of cable kg/km		20℃导体最大直流电阻 Max.DC Resistance of Conductor at 20℃ Ω/km		电缆载流量 Current Rating (A)			
										土壤敷设 Direct in ground		空气敷设 Run in air	
						铜芯Cu	铝芯Al	铜Cu	铝Al	铜芯Cu	铝芯Al	铜芯Cu	铝芯Al
0.6/1kv	4	1.0	0.8	1.8	19	554	480	4.61	7.41	38	30	26	20
	6	1.0	0.8	1.8	21	654	543	3.08	4.61	47	39	32	26
	10	1.0	0.8	1.8	24	880	691	1.83	3.08	65	50	45	35
	16	1.0	1.6	1.8	28	1472	1173	1.15	1.91	84	65	60	47
	25	1.2	1.6	1.8	32	1958	1485	0.727	1.20	110	84	77	60
	35	1.2	1.6	1.9	35	2363	1707	0.524	0.868	130	100	95	74
	50	1.4	1.6	2.0	36	2873	2044	0.387	0.641	155	120	115	90
	70	1.4	2.0	2.1	39	3703	2402	0.268	0.443	195	150	145	115
	95	1.6	2.5	2.3	44	4702	2936	0.193	0.320	230	185	185	140
	120	1.6	2.5	2.4	49	6013	3783	0.153	0.253	260	205	210	165
	150	1.8	2.5	2.6	54	7299	4512	0.124	0.206	300	230	245	190
	185	2.0	2.5	2.7	60	8690	5253	0.0991	0.164	335	260	280	215
	240	2.2	2.5	2.9	68	10927	6467	0.0754	0.125	390	300	335	260

三大一小聚氯乙烯绝缘、细钢丝铠装、聚氯乙烯护套电力电缆

（3+2）PVC Insulated PVC Sheathed Power Cable with thin steel wire armour

额定电压 AC Rated Voltage	标称截面 Nom. Cross-section mm^2	绝缘标称厚度 Nom. insulation thickness mm	铠装钢丝直径 Dia. of steel wire mm	护套标称厚度 Nom. sheath thickness mm	电缆近似外径 Approx OD of cable mm	电缆近似重量 Apporx weight of cable kg/km		20℃导体最大直流电阻 Max.DC Resistance of Conductor at 20℃ Ω/km		电缆载流量 Current Rating (A)			
										土壤敷设 Direct in ground		空气敷设 Run in air	
						铜芯Cu	铝芯Al	铜Cu	铝Al	铜芯Cu	铝芯Al	铜芯Cu	铝芯Al
0.6/1kv	3×25+1×16	1.2 1.0	1.6	1.9	34	2201	1627	0.727 1.15	1.20 1.91	110	84	77	60
	3×35+1×16	1.2 1.0	1.6	2.0	36	2599	1844	0.524 1.15	0.868 1.91	130	100	95	74
	4×10+2×6	1.4 1.2	2.0	2.1	38	3378	2291	0.387 0.727	0.641 1.20	155	120	115	90
	3×16+2×10	1.4 1.2	2.0	2.2	42	4163	2705	0.268 0.524	0.443 0.868	195	150	145	115
	3×25+2×16	1.6 1.4	2.0	2.4	49	5864	3802	0.193 0.387	0.320 0.641	230	185	185	140
	3×35+2×16	1.6 1.4	2.5	2.5	54	7037	4378	0.153 0.268	0.253 0.443	260	205	210	165
	3×50+2×25	1.8 1.4	2.5	2.7	59	8339	5123	0.124 0.268	0.206 0.443	300	230	245	190
	4×70+2×35	2.0 1.6	2.5	2.9	64	9996	5964	0.0991 0.193	0.164 0.320	335	260	280	215

四芯等截面聚氯乙烯绝缘、细钢丝铠装、聚氯乙烯护套电力电缆

Four-core Same Cross-Section PVC Insulated PVC Sheathed Power Cable with thin steel wire armour

额定电压 AC Rated Voltage	标称截面 Nom. Cross-section mm^2	绝缘标称厚度 Nom. insulation thickness mm	铠装钢丝直径 Dia. of steel wire mm	护套标称厚度 Nom. sheath thickness mm	电缆近似外径 Approx OD of cable mm	电缆近似重量 Apporx weight of cable kg/km		20℃导体最大直流电阻 Max.DC Resistance of Conductor at 20℃ Ω/km		电缆载流量 Current Rating (A)			
										土壤敷设 Direct in ground		空气敷设 Run in air	
						铜芯Cu	铝芯Al	铜Cu	铝Al	铜芯Cu	铝芯Al	铜芯Cu	铝芯Al
0.6/1kv	25	1.2	1.6	1.9	35	2320	1689	0.727	1.20	110	84	77	60
	35	1.2	1.6	2.0	38	2854	1979	0.524	0.868	130	100	95	74
	50	1.4	2.0	2.1	39	3600	2361	0.387	0.641	155	120	115	90
	70	1.4	2.0	2.2	42	4568	2833	0.268	0.443	195	150	145	115
	95	1.6	2.0	2.4	49	6288	3934	0.193	0.320	230	185	185	140
	120	1.6	2.5	2.5	54	7478	4505	0.153	0.253	260	205	210	165
	150	1.8	2.5	2.7	59	9056	4310	0.124	0.206	300	230	245	190
	185	2.0	2.5	2.9	64	10797	6213	0.0991	0.164	335	260	280	215

七、不同环境温度下的载流量修正系数

Rating factors of current rating for ambient temperature

工作温度 Operation temperatue (℃)	空气温度 Air temperatue (℃)									土壤温度 Soil temperatue (℃)					
	10	15	20	25	30	35	40	45	50	10	15	20	25	30	35
70	1.41	1.35	1.29	1.22	1.15	1.08	1.00	0.91	0.81	1.15	1.11	1.05	1.00	0.94	0.88

八、不同土壤热阻系数下的载流量修正系数

Rating factors of current rating for Soil thermal temperature

电压 Rated Voltage	截面范围 Scope of cross-sections	土壤热阻系数Pr(k·m/W) Soil thermal resistivity				
0.6/1kV	mm^2	0.8	1.0	1.2	1.5	2.0
	≤35	1.06	1.00	0.95	0.88	0.80
	50-150	1.08	1.00	0.94	0.87	0.77
	≥185	1.09	1.00	0.93	0.85	0.76

注：计算电缆载流量采用敷设方式和基准参数：

1、空气中敷设：环境温度40℃

2、土壤中敷设：环境温度25℃

土壤热阻系数为1.0k·m/W

3、单芯电缆排列方式为三角形（相互接触）。

Note:Installation method and nominal parmeter for calculating current-carrying capacity:

1、Run in air:Ambient temperature is 40℃

2、Installation is air:Ambient temperature is 25℃ and soil thermal resistivity is 1.0k·m/W.

3、Arrangement method of single core cable is triangle. (Touch each other).

耐火电力电缆
Fire-Retarding Power Cable

一、适用范围

本产品适用于交流额定电压0.6/1kv及以下固定敷设输配电装置及动力设备线路在有耐火要求的场合。

二、使用特性

- 交流额定电压Uo/U为0.6/1kV；
- 试验火焰温度： A类950℃-1000℃；
  B类750℃-800℃
- 聚氯乙烯、聚乙烯绝缘的电缆导本长期允许工作温度不超过70℃；

交联聚乙烯绝缘的电费导体长期允许工作温度不超过90℃。

- 电缆敷设时的环境温度应不低地0℃。
- 电缆敷设时最小弯曲半径为：

无铠装电缆 10Dmm
有铠装电缆 12Dmm

式中：D-电缆的实际外径，mm。

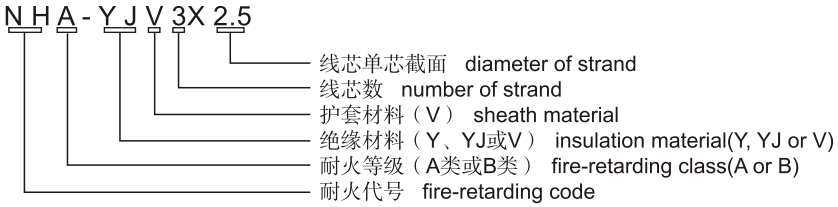
1. Applicaton

The cables are designed for fixed installation,for 0.6/1kV, for power transmission and distribution equipments where fire retardation is requested.

2. Operating characteristic

- AC Rated voltage Uo/U including 0.6/1kV.
- Testing flame temperature: Cateaoty A is 950℃-1000℃
  Cateaoty B is 750℃-800℃
- Permissive continuous working temperature of conductor of PVC, PE insulated cable is no more than 70℃, and permissive continuous working temperature of conductor of XLPE is no more than 90℃.
- The lowest ambient temperature of cable installation is 0℃.
- Min.bending radius of cable installation is:
  Non-armoured cable 10Dmm;
  Armoured cable 12Dmm.
  In the formula: D-actual external diameter of cable, mm.

三、电缆型号规格表示方法
Type and specification of cable and its descriptive methed



注：Y、YJ和V分别表示聚乙烯、交联聚乙烯和聚氯乙烯材料；公司可根据客户要求制造耐火等级为A类和B类的电缆。

Note: Y, YJ and V mean PE, XLPE and PVC respective. The company can manufacture category A or B cable if requested by customers.

四、电缆型号名称 Specification and description of cable

型号 TYPE	名称 Description	适用范围 Application
NHA(B)-VV	铜芯聚氯乙烯绝缘聚氯乙护套耐火电力电缆 copper core PVC insulated and sheathed fire-retarding control cable	敷设在室内电缆沟、管道等固定场合。 For fixed instaliation laying indoors, in trenches sand ducts.
NHA(B)-VV22	铜芯聚氯乙烯绝缘钢带铠装聚氯乙烯护套耐火电力电缆 copper core PVC insulated and sheathed fire-retarding control cable with steel tape armour	敷设在室内、电缆沟、管道等能承受较大机构外力等固定场合。 For fixed instaliation laying indoors, in trenches and ducts where heavier mechanic force is withstood
NHA(B)-YJV	铜芯交联聚乙烯绝缘聚氯乙烯护套耐火电力电缆 copper core XLPE insulated and PVC sheathed fire-retarding control cable	敷设在室内、电缆沟、管道等固定场合。 For fixed instaliation laying indoors, in trenches sand ducts.
NHA(B)-YJV22	铜芯交联聚乙烯绝缘钢带铠装聚氯乙烯护套耐火电力电缆 copper core XLPE insulated and PVC sheathed fire-retarding control cable with steel armour	敷设在室内、电缆沟、管道等能承受较大机械外力等固定场合。 For fixed instaliation laying indoors, in trenches and ducts where heavier mechanic force is withstood
NHA(B)-YV	铜芯聚乙烯绝缘聚氯乙烯护套耐火电力电缆 copper core PE insulated and PVC sheathed fire-retarding control cable	敷设在室内、电缆沟、管道等固定场合。 For fixed instaliation laying indoors, in trenches sand ducts.
NHA(B)-YV22	铜芯聚乙烯绝缘钢带铠装聚氯乙烯护套耐火电力电缆 copper core PE insulated and PVC sheathed fire-retarding control cable with steel tape armour	敷设在室内、电缆沟、管道等能承受较大机械外力等固定场合。 For fixed instaliation laying indoors, in trenches and ducts where heavier mechanic force is withstood

耐火电力电缆
Fire-Retarding Power Cable

五、电缆规格 Specification of cable

型号 TYPE	芯数 Core number	标称截面 mm² Nom. Cross section
NHA(B)-VV NHA(B)-VV22 NHA(B)-YJV NHA(B)-YJV22 NHA(B)-YV NHA(B)-YV22	1	2.5~300
	2、3	2.5~185
	3+1、4、3+2.5	4~185

六、结构及主要技术参数 Structure and main technical parameter

导体标称截面 mm² Nom. Cross-section of conductor	20℃导体最大直流电阻 Ω/km Max.DC Resistance at 20℃	绝缘标称厚度 mm Nom. thichness of insulation		
		聚氯乙烯绝缘 PVC insulation	聚乙烯绝缘 PE insulation	交联聚乙烯绝缘 XLPE insulation
2.5	7.41	0.8	0.7	0.7
4	4.61	1.0	0.7	0.7
6	3.08	1.0	0.7	0.7
10	1.83	1.0	0.7	0.7
16	1.15	1.0	0.7	0.7
25	0.727	1.2	0.9	0.9
35	0.524	1.2	0.9	0.9
50	0.387	1.4	1.0	1.0
70	0.268	1.4	1.1	1.1
95	0.193	1.6	1.1	1.1
120	0.153	1.6	1.2	1.2
150	0.124	1.8	1.4	1.4
185	0.0991	2.0	1.6	1.6
240	0.0754	2.2	1.7	1.7
300	0.0601	2.4	1.8	1.8

七、电缆护套标称厚度、参考外径、参考重量
Nom.Thickness,approx external diameter and approx weight

规格 specification	NHA(B)-YJV			NHA(B)-VV			NHA(B)-VV22		
	护套厚度 mm thickness of sheath	参考外径 mm approx exemal diameter	参考重量 kg/km approx weight	护套厚度 mm thickness of sheath	参考外径 mm approx exemal diameter	参考重量 kg/km approx weight	护套厚度 mm thickness of sheath	参考外径 mm approx exemal diameter	参考重量 kg/km approx weight
1×2.5	1.4	7.1	72	1.4	7.3	79	-	-	-
1×4	1.4	7.5	89	1.4	8.2	105	-	-	-
1×6	1.4	8.1	114	1.4	8.8	131	-	-	-
1×10	1.4	9.5	162	1.4	10.2	184	-	-	-
1×16	1.4	10.5	226	1.4	11.2	250	-	-	-
1×25	1.4	12.1	325	1.4	12.7	355	-	-	-
1×35	1.4	13.0	423	1.4	13.8	457	-	-	-
1×50	1.4	14.8	568	1.4	15.7	612	-	-	-
1×70	1.5	16.8	776	1.5	17.4	820	-	-	-
1×95	1.5	18.5	1020	1.6	19.5	1093	-	-	-
1×120	1.6	20.0	1267	1.7	21.2	1343	-	-	-
1×150	1.7	22.8	1567	1.8	23.7	1655	-	-	-
1×185	1.7	24.9	1923	1.9	25.9	2035	-	-	-
1×240	1.8	27.9	2436	2.0	29.1	2579	-	-	-
1×300	1.9	30.5	3007	2.0	31.7	3168	-	-	-
2×2.5	1.8	12.7	188	1.8	13.1	202	1.8	16.3	368
2×4	1.8	13.5	233	1.8	14.9	271	1.8	18.1	459
2×6	1.8	14.7	291	1.8	16.1	333	1.8	19.3	536
2×10	1.8	17.5	416	1.8	18.9	468	1.8	22.1	705
2×16	1.8	19.5	563	1.8	20.9	621	1.8	24.1	882
2×25	1.8	22.7	805	1.8	24.1	877	1.8	27.3	1176
2×35	1.8	24.7	1031	1.8	26.1	1109	1.9	29.5	1446

耐火电力电缆
Fire-Retarding Power Cable

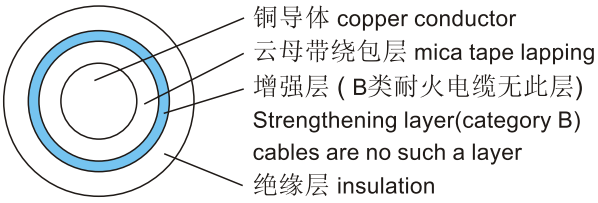
规格 specification	NHA(B)-YJV			NHA(B)-VV			NHA(B)-VV22		
	护套厚度 mm thickness of sheath	参考外径 mm approx exemal diameter	参考重量 kg/km approx weight	护套厚度 mm thickness of sheath	参考外径 mm approx exemal diameter	参考重量 kg/km approx weight	护套厚度 mm thickness of sheath	参考外径 mm approx exemal diameter	参考重量 kg/km approx weight
2 × 50	1.9	28.5	1391	1.9	30.1	1495	2.1	34.9	2216
2 × 70	2.0	32.3	1868	2.0	33.5	1970	2.2	38.3	2767
2 × 95	2.1	35.7	2443	2.2	37.9	2617	2.3	42.7	3514
2 × 120	2.2	38.7	3051	2.3	40.9	3232	2.4	45.7	4196
2 × 150	2.4	44.3	3784	2.4	45.9	3967	2.6	51.1	5093
2 × 185	2.5	48.5	4644	2.6	50.3	4878	2.8	55.7	6124
2 × 240	2.7	54.5	5884	2.8	56.7	6186	-	-	-
3 × 2.5	1.8	13.4	227	1.8	13.8	246	1.8	17.0	421
3 × 4	1.8	14.2	285	1.8	15.7	335	1.8	18.9	533
3 × 6	1.8	15.5	365	1.8	17.0	420	1.8	20.2	634
3 × 10	1.8	18.5	528	1.8	20.0	597	1.8	23.2	847
3 × 16	1.8	20.7	734	1.8	22.2	811	1.8	25.4	1088
3 × 25	1.8	24.1	1059	1.8	25.7	1156	1.9	29.1	1488
3 × 35	1.8	26.3	1375	1.8	27.8	1485	2.0	32.6	2151
3 × 50	1.9	30.5	1864	2.0	32.4	2020	2.1	37.0	2775
3 × 70	2.1	34.8	2543	2.1	36.1	2683	2.3	40.9	3539
3 × 95	2.2	38.4	3345	2.3	40.8	3576	2.4	45.6	4539
3 × 120	2.3	41.6	4165	2.4	44.0	4403	2.5	49.0	5461
3 × 150	2.5	47.6	5187	2.6	49.6	5460	2.7	54.8	6673
3 × 185	2.6	52.1	6344	2.7	54.1	6660	2.9	59.7	8034
3 × 240	2.9	58.8	8070	2.9	60.9	8454	-	-	-
4 × 2.5	1.8	14.5	285	1.8	15.0	310	1.8	18.2	499
4 × 4	1.8	15.5	357	1.8	17.1	427	1.8	20.3	641
4 × 6	1.8	16.9	463	1.8	18.6	537	1.8	21.8	770
4 × 10	1.8	20.3	679	1.8	22.0	772	1.8	25.2	1046
4 × 16	1.8	22.7	949	1.8	24.4	1054	1.8	27.6	1631
4 × 25	1.8	26.6	1387	1.9	28.5	1530	2.0	33.1	2212
4 × 35	1.9	29.2	1825	1.9	30.9	1963	2.1	35.7	2717
4 × 50	2.0	33.6	2476	2.1	35.8	2675	2.3	40.6	3539
4 × 70	2.2	38.4	3383	2.2	39.8	3566	2.4	44.8	4562
4 × 95	2.3	42.5	4464	2.4	45.1	4761	2.6	50.3	5907
4 × 120	2.4	46.0	5511	2.5	48.6	5817	2.7	54.0	7075
4 × 150	2.7	52.9	6878	2.7	54.8	7210	2.9	60.4	8649
4 × 185	2.9	58.1	8480	2.9	60.1	8864	3.1	65.9	10467
4 × 240	3.1	65.3	10743	3.2	67.9	11242	-	-	-
3 × 4+1 × 2.5	1.8	15.2	324	1.8	16.8	383	1.8	20.0	594
3 × 6+1 × 4	1.8	16.6	424	1.8	18.2	493	1.8	21.4	721
3 × 10+1 × 6	1.8	19.9	617	1.8	21.5	693	1.8	24.7	960
3 × 16+1 × 10	1.8	22.0	858	1.8	23.6	951	1.8	26.8	1244
3 × 25+1 × 16	1.8	25.7	1241	1.8	27.3	1357	2.0	32.1	2015
3 × 35+1 × 16	1.9	28.2	1585	1.9	29.8	1711	2.1	34.6	2425
3 × 50+1 × 25	2.0	32.6	2173	2.1	34.6	2347	2.2	39.2	3146
3 × 70+1 × 35	2.1	36.9	2972	2.2	38.5	3125	2.4	43.5	4053
3 × 95+1 × 50	2.3	40.9	3920	2.4	43.4	4167	2.5	48.4	6391
3 × 120+1 × 70	2.4	44.0	4880	2.5	46.4	5161	2.6	51.4	6280
3 × 150+1 × 70	2.6	50.3	5979	2.6	52.1	6255	2.8	57.5	7555
3 × 185+1 × 95	2.7	55.0	7429	2.8	57.1	7803	3.0	62.7	9251
3 × 240+1 × 120	2.9	61.1	9359	3.0	63.6	9767	-	-	-
3 × 4+2 × 2.5	1.8	16.4	401	1.8	17.8	468	1.8	21.0	691
3 × 6+2 × 4	1.8	17.8	514	1.8	19.7	617	1.8	22.9	863
3 × 10+2 × 6	1.8	20.8	729	1.8	22.7	746	1.8	25.9	1129
3 × 16+2 × 10	1.8	23.9	1056	1.8	25.7	1191	1.9	29.1	1523
3 × 25+2 × 16	1.8	27.6	1529	1.9	29.7	1699	2.1	34.5	2411
3 × 35+2 × 16	1.9	29.6	1872	2.0	31.6	2045	2.1	36.2	2782
3 × 50+2 × 25	2.1	34.4	2595	2.1	36.5	2815	2.3	41.3	3671
3 × 70+2 × 35	2.2	39.3	3531	2.3	41.1	3755	2.4	45.9	4719
3 × 95+2 × 50	2.4	43.7	4678	2.4	46.2	4982	2.6	51.4	6134
3 × 120+2 × 70	2.5	48.0	5948	2.6	50.5	6278	2.8	55.9	7550
3 × 150+2 × 70	2.7	53.0	6966	2.7	55.0	7309	2.9	60.6	8706
3 × 185+2 × 95	2.8	58.2	8708	2.9	60.7	9148	3.0	66.5	10715
3 × 240+2 × 120	3.1	65.0	10979	3.2	67.9	11486	-	-	-

耐火电力电缆
Fire-Retarding Power Cable

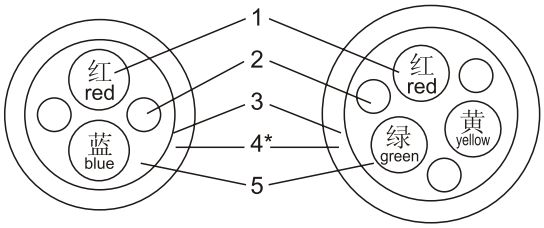
规格 specification	NHA(B)-YJV			NHA(B)-VV			NHA(B)-VV22		
	护套厚度 mm thickness of sheath	参考外径 mm approx exernal diameter	参考重量 kg/km approx weight	护套厚度 mm thickness of sheath	参考外径 mm approx exernal diameter	参考重量 kg/km approx weight	护套厚度 mm thickness of sheath	参考外径 mm approx exernal diameter	参考重量 kg/km approx weight
5×2.5	-	-	-	-	-	-	1.8	19.6	562
5×4	-	-	-	-	-	-	1.8	22.1	729
5×6	-	-	-	-	-	-	1.8	23.7	882
5×10	-	-	-	-	-	-	1.8	27.5	1203
5×16	-	-	-	-	-	-	2.0	31.8	1865
5×25	-	-	-	-	-	-	2.1	36.3	2528
5×35	-	-	-	-	-	-	2.2	39.2	3111
5×50	-	-	-	-	-	-	2.4	44.6	4095
5×70	-	-	-	-	-	-	2.6	49.6	5284
5×95	-	-	-	-	-	-	2.8	55.6	6867
5×120	-	-	-	-	-	-	2.9	59.7	8257
5×150	-	-	-	-	-	-	3.1	66.8	10096
5×185	-	-	-	-	-	-	3.3	72.8	12243

八、产品结构示意图 Structure profile of cable

1）绝缘线芯结构图：
Structure profile of insulated core

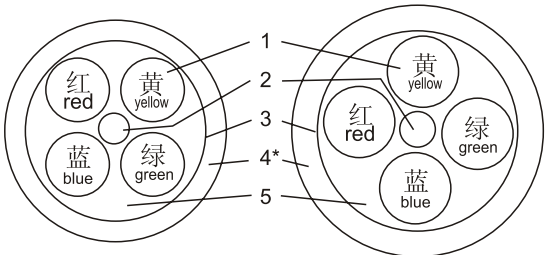


2）电缆结构简图：
Structure profile of cable



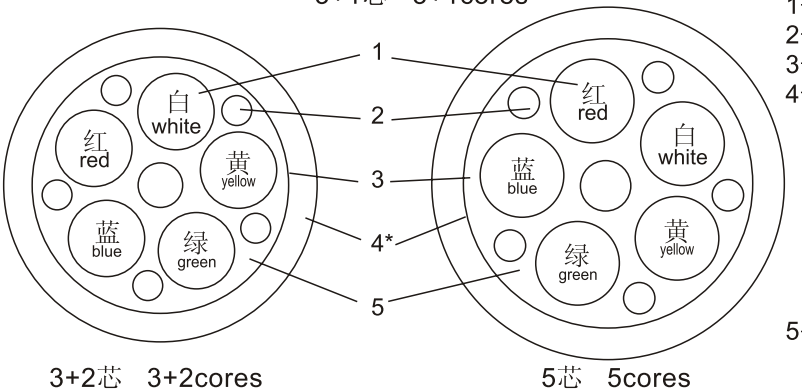
2芯 2cores　　3芯 3cores

2）电缆结构简图：
Structure profile of cable



4芯 4cores　　3+1芯 3+1cores

1—绝缘线芯
2—阻燃PVC填充条
3—绕包层
4—外护套（*无铠装结构外护去为阻燃聚氯乙烯护套，带铠装结构处的护层为阻燃聚氯乙烯内衬层+钢带铠装+阻燃聚氯乙烯护套）
5-阻燃PP带填充



3+2芯 3+2cores　　5芯 5cores

1—insulation core
2—fire-retardant PVC filer
3—lapping layer
4—outer sheath (other sheath) without armouring is fire-retardant PVC sheath, outer sheath with armouring include fire-retardant PVC inner layer,steel tape armouring and fire-retardant PVC sheath
5—fire-retardant PP tape as filler

无 卤 低 烟 阻 燃 电 力 电 缆
Low Smoke Zero Halogen Fire-retarding Power Cable

一、产品用途 Applicaton

本产品主要用于高层建筑、地下铁道、计算机中心。广播电视中心、海上石油平台、舰船、核电站等对电缆燃烧时释放的卤酸气体、烟雾浓度要求较高的场所。

The cables are designed tor high-rise building,subway, computer, computer center, broadcasting and television center ,overseas petroleum platform,ship,nuclear power station and other places where requirements of halogen gases and smoke density is highly requested.

二、产品型号及名称 Type and description of cable

无卤低烟阻燃电力电缆的型号、名称
typeand description of lowsmoke zero halogen power cable

型号 TYPE	名称 Description
WDZA-YJY	铜芯交联聚乙烯绝缘无卤低烟聚烯烃护套无卤低烟阻燃A类电力电缆 copper core XLPE insulated and low smoke zero halogen PO sheathed category A low smoke zero halogen fire-retarding power cable
WDZB-YJY	铜芯交联聚乙烯绝缘无卤低烟聚烯烃护套无卤低烟阻燃B类电力电缆 copper core XLPE insulated and low smoke zero halogen PO sheathed category B low smoke zero halogen fire-retarding power cable
WDZC-YJY	铜芯交联聚乙烯绝缘无卤低烟聚烯烃护套无卤低烟阻燃C类电力电缆 copper core XLPE insulated and low smoke zero halogen PO sheathed category C low smoke zero halogen fire-retarding power cable
WDZA-YJY23	铜芯交联聚乙烯绝缘无卤低烟聚烯烃护套钢带铠装无卤低烟阻燃A类电力电缆 copper core XLPE insulated and low smoke zero halogen PO sheathed category A low smoke zero halogen fire-retarding power cable with steel tape armour
WDZB-YJY23	铜芯交联聚乙烯绝缘无卤低烟聚烯烃护套钢带铠装无卤低烟阻燃B类电力电缆 copper core XLPE insulated and low smoke zero halogen PO sheathed category B low smoke zero halogen fire-retarding power cable with steel tape armour
WDZC-YJY23	铜芯交联聚乙烯绝缘无卤低烟聚烯烃护套钢带铠装无卤低烟阻燃C类电力电缆 copper core XLPE insulated and low smoke zero halogen PO sheathed category C low smoke zero halogen fire-retarding power cable with steel tape armour

三、产品规格 Specification of cable

额定电压 rated voltage	型号 TYPE	芯数 No .of cable	标称截面 mm² Nom. Cross section
0.6/1kv	WDZA-YJY、WDZB-YJY、WDZC-YJY	1	1.5~400
	WDZA-YJY、WDZB-YJY、WDZC-YJY	2	1.5~185
	WDZA-YJY23、WDZB-YJY23、WDZC-YJY23	2	4~185
	WDZA-YJY、WDZB-YJY、WDZC-YJY	3	1.5~300
	WDZA-YJY23、WDZB-YJY23、WDZC-YJY23	3	4~300
	WDZA-YJY、WDZB-YJY、WDZC-YJY	3+1	4~300
	WDZA-YJY23、WDZB-YJY23、WDZC-YJY23	3+1	4~300
	WDZA-YJY、WDZB-YJY、WDZC-YJY	4	4~185
	WDZA-YJY23、WDZB-YJY23、WDZC-YJY23	4	4~185
	WDZA-YJY、WDZB-YJY、WDZC-YJY	4+1	4~185
	WDZA-YJY23、WDZB-YJY23、WDZC-YJY23	4+1	4~185
	WDZA-YJY、WDZB-YJY、WDZC-YJY	3+2	4~185
	WDZA-YJY23、WDZB-YJY23、WDZC-YJY23	3+2	4~185
	WDZA-YJY、WDZB-YJY、WDZC-YJY	5	4~185
	WDZA-YJY23、WDZB-YJY23、WDZC-YJY23	5	4~185

四、 产品使用特性 Characteristics of cable

4.1 额定电压Uo/U为0.6/1kV. Rated voltage Uo/U is 0.6/1kV.

4.2 电缆导体的长期允许工作温度为90℃
Permissive continuous working temperature of conductor is 90℃

无卤低烟阻燃电力电缆
Low Smoke Zero Halogen Fire-retarding Power Cable

4.3 电缆的敷设温度应不低于0℃。其最小的允许弯曲半径为：

The lowest installation temperature of cable is 0℃.Min.Permissive bending radius is

单芯电缆：20（D+d），mm； Single core comductor：20（D+d），mm；

多芯电缆：15（D+d），mm； Multi-core conductor:15（D+d），mm；

式中： in the formula

D-电缆的实际外径，mm； D-actual diameter of cable ,mm;

d-电缆导体的实际外径，mm。 d-actual diameter of conductor, mm.

4.4 电缆短路时（最长持续时间不超过5s），电缆导体的最高温度不超过250℃。

Conductor short circuit temperature (5 seconds as longest) should not exceed 250℃.

五、电缆主要技术指标 Main technical requirements of cables

5.1无卤特性 Zero halogen Characteristics

电缆在燃烧时，不产生腐蚀性有害气体， 通过测定电缆的主要非金属材料燃烧时析出气体的水溶液的pH 值和电导率，来测定所有可能存在的腐蚀性气体的含量。要求燃烧析出气体水溶液的pH 值≥ 4.3，电导率≤ 10μS/mm.

When cables are in combustion,no corrosive toxic gases should be exhaled . Through checking ph value and conductivity of water solution of gases exhaled from main non-metal of firing cable, the content of corrosive gases which may exist ,are checked out .

5.2 低烟特性 Low smoke characteristics

利用光测装置,测量光束穿过电缆燃烧定的透光率来确定其发烟量。要求电缆燃烧时的透光率≥60%。

With light-checking equipments, light-transmission ability when light bunch passes through firing cable’s room can be checked out. We can calculate smoke volume by light transmission ability. The light-transmission ability of firing cable should be more than 60%

5.3 阻燃特性 Fire-retarding properties

即在燃烧状态下能够降低火焰的蔓延速度，用成束电缆燃烧试验来考核。电缆的的阻燃性能根据其阻燃级别分别符合GB/T 18380.-2001标准中A类、B类、C类的试验要求

We make cable-bundle combusting tests in order to check out the speed of extension of fire when cables are in combustion.Ire*retarding properties of cable should fit corresponding category A, category B and category C tests according to correspond fire-retarding categories.

5.4 电气性能 Electric properties

5.4.1 电缆在20时导体的直流电阻符合 GB/T 3956-1997标准的要求。

D.C.resistance of conductor at 20 is in accordance with GB/T 3956-1997.

5.4.2 在最高额定温度时，电缆的绝缘电阻常数 Ki≥3.67mΩ·km.

Insulation resistance of cable should be in accordance with insulation resistance of XLPE cable in standard GB/T12706-2002..

六、交货要求 Requirements of delivery

6.1 电缆交货长度不小于100m，允许长度不小于30m的短段电缆交货，其数量不应超过交货总长的10%。

The lowest length of cable that can be delivered is 100m, short circuit with the length no less than 30m is allowed to be in delivery, but its, total length should be no more than 10% of the whole cable.

6.2 根据双方协议，允许以任何长度的电缆交货。

Should two sides agree,any length can be in delivery.

6.3 交货长度计量误差为±0.5%。

The tolerance of length should be within 0.5% of cable.

6.4 电缆端头应可靠密封，伸出盘外的电缆端头应钉保护罩，伸出的长度应不小于300mm。

Cables’ end should be sealed. Cables, end that sticks out reel should be capped, but its length should be less than 300mm.

6.5 重量不超过80kg的短路电缆，允许成圈包装。

Short cables whose weight is no more than 80kg is allowed to be coiled.

耐高温电力电缆
High-Temperature Retarding Power Cable

一、适用范围

本产品适用于交流额定电压0.6/1KV及以下对耐温度要求较高的电力传输系统连接。

二、使用特性

- 交流额定电压Uo/U为0.6/1kV；
- 电缆导体的最高额定温度为200℃
- 电缆的敷设温度不低于-20℃；
- 电缆敷设时最小弯曲半径为：

单芯电缆　　20（D+dD）mm
多芯电缆　　12（D+dD）mm
式中：D-电缆的实际外径，mm；
D-电缆导体的外径，mm。

1.Applicaton

The product is applicable to power transmission system, whose A.C.rated voltage is equal to or below 0.6/1KV, and in which comparatively high temperature resistant quality is requested.

2.Operating characteristic

- A.C.rated voltage Uo/U is equal to or below 0.6/1kV.
- The conductor'max.allowing temperature when Continuously working is 200℃;
- The cable is allowed to be fixedly laid at -65℃~200℃;
- mm.bending radius when laying is:

Single-core cable　　20(D+d),mm
Multi-core cable　　15(D+d),mm
D-the realistic overall diamdter of cable ,mm;
D-the diameter of conductor ,mm

三、电缆型号名称 Type and name of cable

型号 TYPE	名称 Description	使用范围 Application
FF	铜芯聚全氟乙丙烯绝缘聚全氟乙丙烯护套电力电缆 FEP insulation FEP sheath control cable with copper core	固定敷设在室内、电缆沟、管道内。 Cable should be fixedly laid in indoor tunnel

四、电缆规格 specification of cable

型号 TYPE	芯数 No .of cable	标称截面mm² Nominal section area
FF	1	1.5~120
	2、3、3+1、4、5	1.5~95

五、结构及主要技术参数 Construction and main technical parameter

规格 specification mm²	20℃时导体最大电阻 Ω/km Max.DC Resistance of at 20℃	绝缘厚度 insulation thickness mm	护套厚度 sheath thickness mm	参考外径 Approx.OD mm	参考重量 approx. weight kg/km
1×1.5	12.1	0.6	0.6	5.0	45.9
1×2.5	7.41	0.6	0.6	5.4	59.2
1×4	4.61	0.6	0.6	5.9	77.9
1×6	3.08	0.6	0.6	6.4	101.7
1×10	1.83	0.6	0.6	7.4	149.5
1×16	1.15	0.6	0.6	8.4	215.6
1×25	0.727	0.7	0.7	9.8	318.1
1×35	0.524	0.7	0.7	11.0	430.1
1×50	0.387	0.8	0.7	12.6	594.7
1×70	0.268	0.9	0.7	14.3	809.4
1×95	0.193	0.9	0.7	16.0	1064.9
1×120	0.153	1.0	0.7	17.8	1341.2
2×1.5	12.1	0.6	0.7	7.8	84.2
2×2.5	7.41	0.6	0.7	8.6	110.9
2×4	4.61	0.6	0.7	9.7	155.2
2×6	3.08	0.6	0.7	10.7	203.6
2×10	1.83	0.6	0.7	12.8	300.7
2×16	1.15	0.6	0.7	14.8	434.3

耐高温电力电缆
High-Temperature Retarding Power Cable

规格 specification mm^2	20℃时导体最大电阻 Ω/km Max.DC Resistance of at 20℃	绝缘厚度 insulation thickness mm	护套厚度 sheath thickness mm	参考外径 Approx.OD mm	参考重量 approx. weight kg/km
2×25	0.727	0.7	0.8	17.8	653.9
2×35	0.524	0.7	0.8	19.8	865.1
2×50	0.387	0.8	0.8	23.0	1196.6
2×70	0.268	0.9	0.8	26.4	1628.5
2×95	0.193	0.9	0.9	30.0	2163.5
3×1.5	12.1	0.6	0.6	8.2	110.8
3×2.5	7.41	0.6	0.6	9.0	149.2
3×4	4.61	0.6	0.7	10.3	210.6
3×6	3.08	0.6	0.7	11.4	280.6
3×10	1.83	0.6	0.7	13.6	421.2
3×16	1.15	0.6	0.7	15.8	616.8
3×25	0.727	0.7	0.8	19.0	934.0
3×35	0.524	0.7	0.8	21.1	1245.4
3×50	0.387	0.8	0.8	24.6	1733.8
3×70	0.268	0.9	0.9	28.4	2392.7
3×95	0.193	0.9	0.9	32.1	3156.2
3×2.5+1×1.5	7.41/12.1	0.6/0.6	0.7	10.0	185.2
3×4+1×2.5	4.61/7.41	0.6/0.6	0.7	11.2	252.3
3×6+1×4	3.08/4.61	0.6/0.6	0.7	12.3	337.9
3×10+1×6	1.83/3.08	0.6/0.6	0.7	14.9	509.7
3×16+1×10	1.15/1.83	0.6/0.6	0.8	17.5	761.9
3×25+1×16	0.727/1.15	0.7/0.6	0.8	20.8	1136.8
3×35+1×16	0.524/1.15	0.7/0.6	0.8	23.2	1519.2
3×50+1×25	0.387/0.727	0.8/0.7	0.9	27.3	2138.4
3×70+1×35	0.268/0.524	0.9/0.8	0.9	31.4	2926.1
3×95+1×50	0.193/0.387	0.9/0.8	0.9	35.4	3864.7
4×1.5	12.1	0.6	0.6	8.9	138.9
4×2.5	7.41	0.6	0.7	10.1	196.2
4×4	4.61	0.6	0.7	11.2	268.2
4×6	3.08	0.6	0.7	12.4	360.2
4×10	1.83	0.6	0.7	15.0	545.0
4×16	1.15	0.6	0.8	17.6	815.6
4×25	0.727	0.7	0.8	20.9	1219.3
4×35	0.524	0.7	0.8	23.4	1631.5
4×50	0.387	0.8	0.9	27.4	2297.6
4×70	0.268	0.9	0.9	31.5	3146.9
4×95	0.193	0.9	0.9	35.6	4159.4
5×1.5	12.1	0.6	0.7	9.9	174.3
5×2.5	7.41	0.6	0.7	11.0	237.2
5×4	4.61	0.6	0.7	12.3	326.3
5×6	3.08	0.6	0.7	13.6	440.4
5×10	1.83	0.6	0.7	16.4	669.5
5×16	1.15	0.6	0.8	19.3	1004.1
5×25	0.727	0.7	0.8	23.1	1505.8
5×35	0.524	0.7	0.8	25.8	2019.1
5×50	0.387	0.8	0.9	30.3	2845.6
5×70	0.268	0.9	0.9	34.9	3903.4
5×95	0.193	0.9	0.9	39.5	5165.2

注:电缆的绝缘电阻不小于1800MΩ・km。

Note: Insulation resistance of cable should be not less than 1800MΩ・km.

变频器用引接电缆
Converter used to connect power cable

一、适用范围

本产品适用于交流额定电压0.6/1kV及以下使用变频技术的工业装置中。

1.Application

The product is applecable to using changing frequency technical installation whose AC rated voltage is equal to or below 0.6/1kV.

二、使用特性

- 交流额定电压Uo/U为0.6/1kV;
- 电缆导体的最高额定温度为90℃
- 电缆的敷设温度不低于0℃
- 电缆敷设时最小弯曲半径为：15D
  [式中：D-电缆的实际外径，mm;
  电缆导体的最高温度不超过250℃]
- 电缆短路时（最长持续时间不超过5S）

2.Operating characteristic

- AC rated voltage Uo/U is 0.6/1kV.
- Maximum rated operating temperature of conductor:90℃.
- The lowest ambient temperature of cable installation is 0℃.
- Minimum bending radius of cable installation:15D
  In the formula,D-is the overall diameter of the cable.
- Maximum thmperature of conductor (the longest continuous time should be no more than 5s)should be no more than 250℃.

三、电缆型号名称 Type and name of cable

序号 Serial number	型号 Type	名称 Description
1	BP-YJVP$_2$	铜芯交联聚乙烯绝缘聚氯乙烯护套铜带屏蔽变频器用引接电缆 The copper core XLPE insulated PVC sheathed copper tape shielded converter used to connect power cable
2	BP-YJYP$_2$	铜芯交联聚乙烯绝缘聚乙烯护套铜带屏蔽变频器用引接电缆 The copper core XLPE insulated PE sheathed copper tape shielded converter used to connect power cable

四、产品规格型号 Specification of cable

额定电压 rated voltage	型号 Type	芯数 No .of cable	标称截面mm^2 Nominal section area
0.6/1kV	BP-YJYP2	6	1.5~300
	BP-YJYP2	6	1.5~300

五、电缆主要技术特点 The main technical requirements of cable

与普通的四芯电缆相比，该产品可减少整个传动系统的电磁辐射，以及电机轴承电流和磨损。

Compare to common four-core cable.This product can reduce all the transmision system electric radition, and machine current.

六、交货要求 Requirements of delivery

6.1 电缆交货长度不小于100m，允许长度不小于30m的短段电缆交货，其数量不应超过交货总长的10%。

The lowest length of cable that can be delivered is 100m, short circuit with the length no less than 30m is allowed to be in delivery, but its' total length should be no more than 10% of the whole cable.

6.2 根据双方协议，允许以任何长度的电缆交货。

Should two sides agree, any length can be in delivery.

6.3 交货长度计量误差为±0.5%

The tolerance of length should be within 0.5% of cable.

6.4 电缆端头应可靠密封，伸出盘外的电缆端头应钉保护罩，伸出的长度应不小于300mm。

Cables' end should be sealed. Cables' end that sticks out reel should be capped, but its lenth should be no less than 300mm.

6.5 重量不超过80kg的短路电缆，允许成圈包装。

Short cables whose weight is no more than 80KG is allowed to be coiled.

防白蚁防鼠防水型交联聚乙烯绝缘电力电缆
XLPE Insulated rat and termite-proof power cable

一、适用范围 Application

本产品适用于交流额定电压10kv及以下复杂环境下的电力输送。
The product is suitable for power distribution ,Whose AC rated voltage 10kV or below.

二、产品型号名称 Type and name of cable

型号 Type		名称 Description
铜芯 Cu	铝芯 Al	
$FYSS_1$-YJV	$FYSS_1$-YJLV	防水型交联聚乙烯绝缘防白蚁防鼠聚氯乙烯护套电力电缆 Water proof type XLPE Insulated,rat and termite-proof PVC sheated power cable
$FYSS_1$-YTY	$FYSS_1$-YTLY	防水型交联聚乙烯绝缘防白蚁防鼠聚乙烯护套电力电缆 Water proof type XLPE Insulated,rat and termite-proof PE sheated power cable

三、产品规格型号 Specification of cable

额定电压 rated voltage	型号 Type	芯数 No .of cable	标称截面mm^2 Nominal section area
0.6/1kv	$FYSS_1$-YJV $FYSS_1$-YJY $FYSS_1$-YJLV $FYSS_1$-YJLY	1, 2, 3, 4, 5, 3+1, 3+2, 4+1	1.5~240
1.8/3kv		1, 2, 3, 4, 5, 3+1, 3+2, 4+1	1.5~240
3.6/6kv		3	1.5~240
6/6kv		3	1.5~240
6/10kv		3	1.5~240
8.7/10kv		3	1.5~240
8.7/15kv		3	1.5~240

四、使用特性 Charcterstic of cable

- 额定电压Uo/U为8.7/15kV及以下；
- 电缆导体的长期允许工作温度为90℃
- 电缆的敷设温度不低于0℃；
- 电缆敷设时最小弯曲半径为：单芯电缆：20D
  多芯电缆：15D
  式中：D-电缆的实际外径，mm;
- 电缆短路时（最长持续时间不超过5S），
  电缆导体的最高温度不超过250℃

- AC rated voltage Uo/U is 8.7/15kV or below.
- Permissive continous working temprature of conductor:90℃.
- The lowest ambient temperature of cable inst-allation is 0℃.
- Minimum bending radius is:
  Single core conductor:20D,multi-core conductor:15D
  In the formula:D-The actual diameter of cable.
- The conductor short circuit temprature(5 seconds as longest)should not exceed 250℃.

五、电缆主要技术特点 The main technical requirements of cable

该产品可以防止白蚁、老鼠、水的侵害，特别是可以防止水侵入电缆内部从而沿电缆轴向渗透。
The product is able to prevent temite、rat and water from invasion, even prevent the water from coming into the cable.

六、交货要求 Requirements of delivery

6.1 电缆交货长度不小于100m，允许长度不小于30m的短段电缆交货，其数量不应超过交货总长的10%。

The lowest length of cable that can be delivered is 100m, short circuit with the length no less than 30m is allowed to be in delivery, but its' total length should be no more than 10% of the whole cable.

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Should two sides agree, any length can be in delivery.

6.3 交货长度计量误差为±0.5%

The to lerance of length should be within 0.5% of cable.

6.4 电缆端头应可靠密封，伸出盘外的电缆端头应钉保护罩，伸出的长度应不小于300mm。

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