郑州中南电缆有限公司
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企业简介
COMPANY PROFILE

郑州中南电缆有限公司位于郑州市中原区富民路中段，公司占地面积45000平方米，生产建筑面积20000多平方米，固定资产1100万元，具备100万公里年生产能力。

公司始建于1990年，十多年来公司始终坚持“团结、务实、诚信、创新”的经营理念，建立了完善的质量保证体系。产品销往全国二十多个省市、自治区，实现省内无空白市县销售，“以质量求生存，以信誉求发展”的原则，使“九久”牌电缆先后多次被河南省质量技术监督局、郑州市质量技术监督局、河南省名牌战略推进委员会评为河南省名牌产品、河南省优质产品、河南省市场产品质量信得过单位和计量合格单位。并率先通过ISO9001:2000国际质量体系认证和中国电工委员会CCC认证。

公司具有丰富的电线电缆的制造和管理经验，先进的工艺装备，雄厚的技术力量，完善的检测手段，并有一支高素质的员工队伍，主要产品有：高低压交联聚乙烯绝缘电力电缆、聚氯乙烯绝缘电力电缆、塑料绝缘控制电缆、阻燃电缆、耐火电缆、架空绝缘电缆、农用地理电缆等多个品种上千种规格的电缆，同时还可以根据客户要求，设计和制造不同规格的电缆。

满足客户需求，超越客户期望是公司永恒的目标，郑州中南电缆有限公司欢迎您的光临。

Zmscable Company's head office and warehouse are situated in the capital of Henan province, just off the Motorway, at Fuming Rd in Zhengzhou.

Zmscable is the Henan marketing's earliest private company and producer. Our cables are manufactured using the most up-to-date technology. Modern production facilities are backed by a highly qualified work force and experienced engineers, who ensure that only cable of the highest quality leaves our factories.

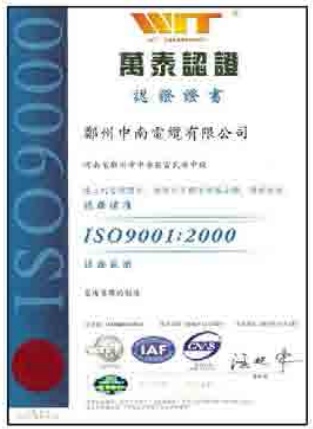
Cables are manufactured strictly in accordance with the appropriate GB (China) Standard Specifications and to IEC, CE and UL standards and are approved by the relevant Classifications Institutions. Full traceability is maintained by strict adherence to quality policies compliant with ISO9001/2, whilst environmental policies will be maintained by compliance with ISO14001 in no time.

Nowadays we start to develop the overseas market, base on an annual turnover in excess of ￥200m, and one of the major supplier to both the electrical wholesale trade power utility sector and civilian markets. Our product range includes general building wires, data and telecommunications cables, industrial rubber cables, overhead conductors together with power cable up to, and including, 40KV.

Our production back up guarantees a complete range of quality cables, supplied via our warehouse. We are also able to arrange shipments directly from our factory where substantial back-up stocks are also held.

We offer an extensive product range, proven quality, our prices are competitive and our lead-time won't disappoint you.

企业荣誉



0.6/1kv-26/35kv XLPE INSULATED POWER CABLE

标准Standard

本产品参照采用国际电工委员会IEC502、IEC332-3等标准生产制造。

This product adopts the standards of IEC502 & IEC332-3

适用范围Scope of application

电缆用于工频额定电压0.6/1kv、3.6/6kv、6/6kv、6/10kv、8.7/10kv、8.7/15kv、12/20kv、21/35kv、26/35kv输配电系统。

The cable is used for electrical power transmission and distribution systems, operating at rated voltage of 0.6/1kv,3.6/6kv、6/6kv、6/10kv、8.7/10kv、8.7/15kv、12/20kv、21/35kv、26/35kv、50Hz.A.C工作温度Operating temperature

电缆线芯允许长期最高工作温度为90℃。

Max. permisible continuous operating temperature of conductor shall not exceed 90℃。

线芯短路温度Conductor short-circuit temperature

不得超过250℃，持续最长时间不超过5秒。

Not exceeding 250℃. Max. sustaining period not exceeding

弯曲半径Bending radius

单芯电缆允许弯曲半径：20(d+D)±5%.

多芯电缆允许弯曲半径：15(d+D)±5%.

D电缆试样的实际外径mm

d导体的实际直径mm

D Actual outer diameter of cable sample(mm)

d Actual diameter of conductor(mm)

敷设温度 Installation temperature

低于0℃时敷设，必须预先加温。

It should be heated where ambient temperature is below 0℃,

敷设落差 Level difference of installation

敷设不受水平落差限制。

Not restricted by the difference of level along the route.

电缆型号、名称用途

Type, Designation and Main Application of cable

型号Type	名称Description	适用范围Main applications
YJV YJLV ZR-YJV ZR-YJLV	阻燃和非阻燃铜芯或铝芯交联聚乙烯绝缘，聚氯乙烯护套电力电缆 Flame retardant and non-flame retardant Cu or Al conductor XLPE 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中，单芯电缆不允许敷充在磁性管道中。 Used indoor or outdoor able to bear external mechanical forces,but the tractive force during laying.Laying single core cable in magnetic duct i not permissible.
YJV22 YJLV22 ZR-YJV22 ZR-YJLV22	阻燃和非阻燃铜芯或铝芯交联聚乙烯绝缘，聚氯乙烯护套内带铠装电力电缆 Flame retardant and non-flame retardant Cu or Al conductor XLPE insulated PVC sheathed internal steel tape armoured 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 in ground，able to bear external me-chanical fores，but unable to bear large pulling force
YJV32 YJLV32 ZR-YJV32 ZR-YJLV32	阻燃和非阻燃铜芯或铝芯交联聚乙烯绝缘，聚氯乙烯护套细钢丝铠装电力电缆 Flame retardant and non-flame retardant Cu or Al conductor XLPE insulated PVC sheathed fine steel wire armoured power cable	适用于水中或高落差地区，能承机械外力作用和相当的拉力。 For laying in water or in ground along route with large differece of level，able to bear external forces and moderate pulling force.

亦可生产聚乙烯护套YJY、YJLY系列产品

PE sheathed cables YJY,YJLY series can be produced according to the requirements of customers

电缆规格（0.6/1kv）

The size of the cable are given

芯数 NO.of cores	铜导体Copper Conductor		铝导体Aluminum conductor	
	YJV,ZR-YJV	YJV22,ZR-YJV22	YJLV,ZR-YJLV	YJLV22,ZR-YJLV22
1	1.5-500	10-500	10-500	10-500
2	1.5-300	4-240	10-300	10-240
3	1.5-300	2.5-240	10-300	10-240
4	1.5-300	2.5-240	10-300	10-240
5	1.5-300	2.5-240	10-300	10-240
3+1	4-300	4-240	16-300	16-240
3+2	4-300	4-240	16-300	16-240
4+1	4-300	4-240	16-300	16-240

表中未列入的产品标准、规格和截面，亦可按用户要求生产

Specifications, sizes and cross sections not listed in above mentioned tables can be produced to the requirements of customers.

生产范围

Production Range of Cable

型号 Type	芯数 NO.of cores	额定电压 Rated Voltage kv					
		3.6/6	6/6，6/10	8.7/10,8.7/15	12/20	21/35	26/35
		导电线芯标称截面 Nom.cross sectional area of conductor mm²					
YJV YJLV ZR-YJV ZR-YJLV	1	25-400	25-400	25-400	35-400	50-400	50-400
	3	25-300	25-300	25-300	35-300	50-185	50-185
YJV22 YJLV22 ZR-YJV22 ZR-YJLV22	3	25-300	25-300	25-300	35-300	50-185	50-185
YJV32 YJLV32 ZR-YJV32 ZR-YJLV32	1	25-400	25-400	25-400	35-400	50-400	50-400
	3	25-300	25-300	25-300	35-300		

表中未列入的产品标准、规格和截面，亦可按用户要求生产

Specifications, sizes and cross sections not listed can be produced accordingly .

导电线芯直流电阻（0.6/1kv）
D.C.Resistance of Conductor

导体标称截面 Nom.cross sectional area of conductor mm²	导体最大直流电阻 Max.D.C resistance of conductor at 20℃ Ω/km	
	铜Cu	铝Al
1.5	12.1	-
2.5	7.41	-
4	4.61	7.41
6	3.08	4.61
10	1.83	3.08
16	1.15	1.91
25	0.727	1.20
35	0.524	0.868
50	0.387	0.641
70	0.268	0.443
95	0.193	0.320
120	0.153	0.253
150	0.124	0.206
185	0.0991	0.164
240	0.0754	0.125
300	0.0601	0.100
400	0.0470	0.0778
500	0.0366	0.0605

不同环境温度下的载流量修正系数(0.6/1kv)
Rating factors of current rating for ambient temperature

工作温度 Operating	空气温度 Air temperature℃									土壤温度 Ground temperature℃						
temperature	5	10	15	20	25	30	35	40	45	5	10	15	20	25	30	35
90℃	1.22	1.18	1.13	1.09	1.04	1.00	0.95	0.90	0.84	1.14	1.11	1.07	1.04	1.00	0.96	0.92

不同土壤热阻系数下的载流量修正系数(0.6/1kv)
Rating factors of current rating for ground thermal resistivity

截面范围 Scope of cross -sections	土壤热阻系数 Ground thermal resistivity (℃-M/W)							
mm²	0.8	1	1.2	1.5	1.8	2	2.5	3
1.5-35	1.06	1.00	0.95	0.89	0.84	0.81	0.75	0.71
50-120	1.08	1.00	0.94	0.87	0.80	0.77	0.70	0.65
150-300	1.08	1.00	0.93	0.86	0.79	0.76	0.69	0.64
400-500	1.09	1.00	0.93	0.85	0.79	0.76	0.68	0.63

电缆载流量（0.6/1kv）
Current carrying capacity

导体 Conductor	导体截面 Conductor size	非铠装型电缆 Unarmoured cable				铠装型电缆 Armoured cable			
		单芯 1c		3芯 3c		单芯 1c		3芯 3c	
		空气 In air	土壤 Burried	空气 In air	土壤 Burried	空气 In air	土壤 Burried	空气 In air	土壤 Burried
铜导体 Copper Conductor	1.5	30	43	21	25	-	-	-	-
	2.5	40	57	28	33	-	-	28	33
	4	53	74	37	44	-	-	37	43
	6	67	94	46	54	-	-	47	54
	10	93	127	63	73	105	125	63	71
	16	124	165	84	94	136	162	84	92
	25	168	213	109	120	180	210	110	118
	35	207	256	132	144	220	253	134	141
	50	252	304	159	169	265	299	161	167
	70	308	572	195	205	322	366	197	203
	95	384	449	237	245	398	442	239	242
	120	439	512	273	278	465	505	278	274
	150	507	575	310	309	521	567	314	305
	185	591	650	355	347	604	639	354	341
	240	694	757	416	399	706	744	414	392
	300	810	855	173	446	819	842	-	-
	400	937	976	-	-	949	962	-	-
	500	1078	1110	-	-	1094	1094	-	-
铝导体 Aluminum Conductor	10	71	97	48	56	81	96	49	55
	16	121	162	82	92	133	159	82	90
	25	130	165	85	93	140	163	85	92
	35	160	199	102	111	170	196	104	110
	50	195	235	123	131	205	272	124	129
	70	239	289	152	159	250	284	153	158
	95	298	348	184	190	308	343	185	188
	120	340	398	213	216	3961	392	214	213
	150	392	445	241	240	404	439	242	237
	185	459	505	277	271	469	497	277	267
	240	539	589	326	312	549	578	325	308
	300	629	664	372	351	636	654	-	-
	400	731	762	-	-	741	751	-	-
	500	845	870	-	-	858	858	-	-

电缆结构改寸 Construction

0.6/1kv 1-5 芯交联聚乙烯绝缘聚氯乙烯护套电力电缆

0.6/1kv 1-5 cores XLPE insulated PVC sheathed power cable

标称截面 Nominal cross sectional area of conductor	绝缘厚度 Insulation thickness	外护套厚度 Thickness of outer sheath					电缆近似外径 Approx.overall diameter					电缆近似重量 Approx.weight of cable									
												铜导体 Copper					铝导体 Aluminum				
		mm					mm					kg/km					kg/km				
mm²	mm	1c	2c	3c	4c	5c	1c	2c	3c	4c	5c	1c	2c	3c	4c	5c	1c	2c	3c	4c	5c
1.5	0.7	1.4	1.8	1.8	1.8	1.8	5.6	10.0	10.4	11.1	11.9	47	123	150	162	192	-	-	-	-	-
2.5	0.7	1.4	1.8	1.8	1.8	1.8	6.0	10.7	11.2	12.0	12.9	59	151	188	228	252	-	-	-	-	-
4	0.7	1.4	1.8	1.8	1.8	1.8	6.4	11.6	12.2	13.1	14.2	77	198	241	297	359	-	-	-	-	-
6	0.7	1.4	1.8	1.8	1.8	1.8	6.9	12.6	13.3	14.3	15.5	99	250	309	390	472	-	-	-	-	-
10	0.7	1.4	1.8	1.8	1.8	1.8	8.2	15.2	16.1	17.5	19.0	148	374	471	582	713	84	246	278	325	392
16	0.7	1.4	1.8	1.8	1.8	1.8	9.2	17.3	18.3	19.9	21.8	212	518	678	854	1053	109	312	370	443	539
25	0.9	1.4	1.8	1.8	1.8	1.8	10.9	20.7	21.9	24.0	26.4	314	772	1012	1278	1583	153	451	530	635	780
35	0.9	1.4	1.8	1.8	1.8	1.8	12.0	22.9	24.3	26.7	29.3	416	1006	1338	1710	2134	191	556	663	810	1009
50	1.0	1.4	1.8	1.8	1.9	2.0	13.6	19.2	23.6	26.9	30.0	571	1365	1838	2384	2955	250	723	874	1099	1348
70	1.1	1.4	1.8	1.9	2.0	2.1	15.6	21.8	26.7	30.5	34.0	781	1872	2523	3280	4081	331	972	117	1480	1832
95	1.1	1.5	2.0	2.0	2.1	2.3	17.6	20.4	30.4	34.7	39.0	1036	2475	3353	4367	5422	425	1254	4	1926	2369
120	1.2	1.5	2.1	2.1	2.3	2.4	19.4	27.2	33.3	38.3	42.7	1294	3089	4201	5475	6791	523	1546	1521	2390	2935
150	1.4	1.6	2.2	2.3	2.4	2.6	21.5	30.0	37.0	42.7	47.8	1608	3834	5213	6805	8465	644	1906	1688	2949	3646
185	1.6	1.6	2.3	2.4	2.6	2.8	23.8	33.2	40.9	47.4	53.0	1977	4721	6428	8384	10453	789	2343	2321	3629	4509
240	1.7	1.7	2.5	2.6	2.8	3.0	26.8	37.8	46.6	53.5	59.8	2538	6054	8265	10794	13442	995	2968	2861	4625	5731
300	1.8	1.8	2.7	2.8	3.0	3.2	29.5	41.4	51.3	58.9	65.9	3145	7492	10227	13381	16673	1217	3637	3638	5669	7034
400	2.0	1.9	-	-	-	-	33.0	-	-	-	-	4146	-	-	-	-	1576	-	4443	-	-
500	2.2	2.0	-	-	-	-	37.0	-	-	-	-	5168	-	-	-	-	1955	-	-	-	-

0.6/1kv3+1，3+2，4+1芯不等截面交联聚乙烯绝聚氯乙烯护套电力电缆

0.6/1kv3+1 ，3+2，4+1cores XLPE insulated PVC sheathed power cable

标称截面 Nominal cross sectional area of conductor		绝缘厚度 Insulation thickness		外护套厚度 outer sheath Thickness			电缆近似外径 Approx.overall diameter			电缆近似重量 Approx.weight of cable					
										铜导体 Copper			铝导体 Aluminum		
相线 Phase (mm²)	副线 Reducad (mm²)	相线 Phase (mm²)	副线 Reduced (mm²)	mm			mm			kg/km			kg/km		
				3+1c	3+2c	4+1c	3+1c	3+2c	4+1c	3+1c	3+2c	4+1c	3+1c	3+2c	4+1c
4	2.5	0.7	0.7	1.8	1.8	1.8	12.8	13.7	13.9	272	328	342	-	-	-
6	4	0.7	0.7	1.8	1.8	1.8	14.0	15.0	15.3	355	433	446	-	-	-
10	6	0.7	0.7	1.8	1.8	1.8	16.7	17.7	18.4	531	630	662	-	-	-
16	10	0.7	0.7	1.8	1.8	1.8	19.3	20.7	21.3	769	930	986	396	493	511
25	16	0.9	0.7	1.8	1.8	1.8	23.0	24.7	25.5	1151	1390	1473	567	702	728
35	16	0.9	0.7	1.8	1.8	1.8	25.0	26.6	27.9	1465	1717	1903	688	836	901
50	25	1.0	0.9	1.8	1.9	1.9	26.1	29.8	29.8	2059	2451	2669	934	1165	1223
70	35	1.1	0.9	1.9	2.0	2.1	29.6	33.8	34.0	2832	3351	3669	1257	1552	1645
95	50	1.1	1.0	2.1	2.2	2.2	33.9	38.8	38.8	3786	4502	4920	1634	2028	2557
120	70	1.2	1.1	2.2	2.3	2.4	37.2	42.5	42.7	4797	5785	6245	2034	2572	2717
150	70	1.4	1.1	2.3	2.4	2.5	41.1	47.0	47.6	5798	6813	7564	2457	3022	3259
185	95	1.6	1.1	2.5	2.6	2.7	46.1	52.6	52.8	7220	8575	9412	3043	3788	4046
240	120	1.7	1.2	2.7	2.8	2.9	52.0	59.4	59.6	9256	10956	12083	3858	4787	5143
300	150	1.8	1.4	2.9	3.0	3.1	57.3	65.5	65.7	11504	13659	14981	4757	5948	6306

0.6/1kv 1-5 芯交联聚乙烯绝缘钢带铠装聚氯乙烯护套电力电缆

0.6/1kv 1-5 cores XLPE insulated steel tape armoured PVC sheathed power cable

标称截面 Nominal cross sectional area	绝缘厚度 Insulation thickness	钢带厚度 Thickness of steel tape (mm)					外护套厚度 Thickness of outer sheath(mm)					电缆近似外径 Approx.overall diameter(mm)					铠装电缆近似重量 Approx.weight of armoured cable									
																	铜导体 Copper					铝导体 Aluminum				
																	kg/km					kg/km				
mm²	mm	1c	2c	3c	4c	5c	1c	2c	3c	4c	5c	1c	2c	3c	4c	5c	1c	2c	3c	4c	5c	1c	2c	3c	4c	5c
2.5	0.7	-	-	0.2	0.2	0.2	-	-	1.8	1.8	1.8	-	-	13.0	13.8	14.7	-	-	415	471	512	-	-	-	-	-
4	0.7	-	0.2	0.2	0.2	0.2	-	1.8	1.8	1.8	1.8	-	13.4	14.0	14.9	16.0	-	433	487	562	643	-	-	-	-	-
6	0.7	-	0.2	0.2	0.2	0.2	-	1.8	1.8	1.8	1.8	-	14.4	15.1	16.1	17.3	-	500	576	678	783	-	-	-	-	-
10	0.7	0.5	0.2	0.2	0.2	0.2	1.4	1.8	1.8	1.8	1.8	14.0	17.0	17.9	19.3	20.8	307	673	791	929	1090	243	538	598	672	769
16	0.7	0.5	0.2	0.2	0.2	0.2	1.4	1.8	1.8	1.8	1.8	15.1	19.1	20.1	21.7	23.6	387	857	1041	1249	1484	284	645	732	838	970
25	0.9	0.5	0.2	0.2	0.2	0.2	1.4	1.8	1.8	1.8	1.8	16.8	22.5	23.7	25.8	28.2	514	1173	1446	1761	2121	353	845	964	1118	1318
35	0.9	0.5	0.2	0.2	0.2	0.2	1.4	1.8	1.8	1.8	1.9	18.0	24.7	26.1	28.5	31.3	633	1449	1828	2255	2733	408	990	1153	1356	1608
50	1.0	0.5	0.2	0.2	0.2	0.2	1.5	1.8	1.8	1.9	2.0	19.5	21.0	25.4	28.7	31.8	810	1877	2401	3003	3994	489	1226	1437	1718	2388
70	1.1	0.5	0.2	0.2	0.2	0.5	1.5	1.9	2.0	2.1	2.2	21.5	23.8	28.7	32.5	37.8	1046	2454	3511	4377	5308	596	1585	2162	2578	3059
95	1.1	0.5	0.2	0.5	0.5	0.5	1.6	2.0	2.2	2.3	2.4	23.4	26.2	34.4	38.7	42.8	1322	3483	4475	5624	6803	712	2298	2643	3182	3777
120	1.2	0.5	0.5	0.5	0.5	0.5	1.7	2.2	2.3	2.4	2.6	25.2	31.0	37.3	42.1	46.7	1601	4213	5459	6951	8377	830	2685	3146	3866	4521
150	1.4	0.5	0.5	0.5	0.5	0.5	1.7	2.3	2.4	2.6	2.7	27.2	33.8	40.8	46.7	51.6	1937	5087	6684	8458	10248	973	3221	3792	4602	5428
185	1.6	0.5	0.5	0.5	0.5	0.5	1.8	2.4	2.6	2.7	2.9	29.7	37.0	44.9	51.2	56.8	2339	6191	8085	10250	12472	1150	3794	4518	5484	6528
240	1.7	0.5	0.5	0.5	0.5	0.5	1.9	2.6	2.7	2.9	3.1	32.7	41.6	50.4	57.3	63.6	2938	7747	10154	12927	15760	1396	4708	5528	6758	8049
300	1.8	0.5	0.5	0.5	0.5	0.5	1.9	2.8	2.9	3.1	3.4	35.6	-	-	-	-	3582	-	-	-	-	1654	-	-	-	-
400	2.0	0.5	-	-	-	-	2.2	-	-	-	-	39.2	-	-	-	-	4630	-	-	-	-	2059	-	-	-	-
500	2.2	0.5	-	-	-	-	2.4	-	-	-	-	43.5	-	-	-	-	5720	-	-	-	-	2507	-	-	-	-

单芯采用铝带铠装。Aluminum tapes are used for the single core cable with metal armour

0.6/1kv3+1，3+2，4+1芯不等截面交联聚乙烯绝缘钢带铠装聚氯乙烯护套电力电缆

0.6/1kv3+1 ，3+2，4+1cores XLPE insulated steel tape armoured PVC sheathed power cable

标称截面 Nominal cross sectional area of conductor		绝缘厚度 Insulation thickness		钢带厚度 Steel tape Thickness			外护套厚度 outer sheath Thickness			电缆近似外径 Approx.overall diameter			电缆近似重量 Approx.weight of cable					
				mm			mm			mm			铜导体 Copper kg/km			铝导体 Aluminum kg/km		
相线 Phase (mm²)	副线 Reduced (mm²)	相线 Phase (mm²)	副线 Reduced (mm²)	3+1c	3+2c	4+1c	3+1c	3+2c	4+1c	3+1c	3+2c	4+1c	3+1c	3+2c	4+1c	3+1c	3+2c	4+1c
4	2.5	0.7	0.7	0.2	0.2	0.2	1.8	1.8	1.8	14.6	15.5	15.7	544	611	636	-	-	-
6	4	0.7	0.7	0.2	0.2	0.2	1.8	1.8	1.8	15.8	16.8	17.1	651	741	766	-	-	-
10	5	0.7	0.7	0.2	0.2	0.2	1.8	1.8	1.8	18.5	19.5	20.2	880	987	1043			
16	10	0.7	0.7	0.2	0.2	0.2	1.8	1.8	1.8	21.1	22.5	23.1	1171	1346	1426	798	909	950
25	16	0.9	0.7	0.2	0.2	0.2	1.8	1.8	1.8	24.8	26.5	27.3	1632	1884	2015	1048	1196	1269
35	16	0.9	0.7	0.2	0.2	0.2	1.8	1.8	1.8	26.8	28.4	29.7	1997	2541	2799	1220	1660	1797
50	25	1.0	0.9	0.2	0.2	0.2	1.9	1.9	2.0	28.1	31.6	31.8	2987	3403	3699	1862	2117	2253
70	35	1.1	0.9	0.2	0.5	0.5	2.0	2.1	2.2	31.6	37.6	37.8	3896	4443	4873	2322	2644	2849
95	50	1.1	1.0	0.5	0.5	0.5	2.2	2.3	2.3	37.7	42.6	42.6	5009	5762	6306	2856	3288	3543
120	70	1.2	1.1	0.5	0.5	0.5	2.3	2.4	2.5	41.0	46.3	46.5	6187	7223	7822	3424	4010	4288
150	70	1.4	1.1	0.5	0.5	0.5	2.5	2.6	2.6	45.1	51.0	51.4	7323	8352	9306	3981	4561	5000
185	95	1.6	1.1	0.5	0.5	0.5	2.6	2.7	2.8	49.9	56.4	56.6	8951	10308	11393	4774	5521	6027
240	120	1.7	1.2	0.5	0.5	0.5	2.8	2.9	3.0	55.8	63.2	63.4	11235	12930	14355	5837	6761	7415
300	150	1.8	1.4	0.5	0.5	0.5	3.0	3.1	3.2	-	-	-	-	-	-	-	-	-

3.6/6kv

导线标称截面 Nominal cross sectional area	绝缘厚度 Insulation thickness	护套厚度 sheath thickness	电缆近似外径 Approx. diameter of cable	电缆近似重量 Approx.weight of cable		导线直流电阻 D.C.resistance of conductor 20℃		局部放电试验 Partcial discharge test $1.5U_0$	试验电压 Testing voltage (a.c.)	电缆载流量current rating A							
										在空气中 in air				直埋土壤中 direct in ground			
				Cu	Al	Cu	Al			品		ooo		品		ooo	
mm^2	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	pc	kv/5min	Cu	Al	Cu	Al	Cu	Al	Cu	Al
25	2.5	1.8	20.50	619	464	≤0.7270	≤1.2000	≤20	11	140	110	165	130	150	115	160	120
35	2.5	1.8	21.50	737	520	≤0.5240	≤0.8680	≤20	11	170	135	205	155	180	135	190	145
50	2.5	1.8	22.60	901	591	≤0.3870	≤0.6410	≤20	11	205	160	245	190	215	160	225	175
70	2.5	1.8	24.30	1128	694	≤0.2680	≤0.4430	≤20	11	260	200	305	235	265	200	275	215
95	2.5	1.8	25.70	1391	802	≤0.1930	≤0.3200	≤20	11	315	245	370	290	315	240	330	255
120	2.5	1.8	27.20	1655	911	≤0.1530	≤0.2530	≤20	11	360	280	430	335	360	270	375	290
150	2.5	1.8	28.60	1961	1031	≤0.1240	≤0.2060	≤20	11	410	320	480	380	405	305	425	330
185	2.5	1.9	30.50	2334	1187	≤0.0991	≤0.1640	≤20	11	470	365	560	435	455	345	480	370
240	2.6	1.9	33.10	2904	1416	≤0.0754	≤0.1250	≤20	11	555	435	665	515	530	400	555	435
300	2.8	2.0	36.00	3547	1687	≤0.0601	≤0.1000	≤20	11	640	500	765	595	595	455	630	490
400	3.0	2.2	39.30	4572	2092	≤0.0470	≤0.0778	≤20	11	745	585	890	695	680	520	725	565

6/6,6/10kv

导线标称截面 Nominal cross sectional area	绝缘厚度 Insulation thickness	护套厚度 sheath thickness	电缆近似外径 Approx. diameter of cable	电缆近似重量 Approx.weight of cable		导线直流电阻 D.C.resistance of conductor 20℃		局部放电试验 Partcial discharge test $1.5U_0$	试验电压 Testing voltage (a.c.)	电缆载流量current rating A							
										在空气中 in air				直埋土壤中 direct in ground			
				Cu	Al	Cu	Al			品		ooo		品		ooo	
mm^2	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	pc	kv/5min	Cu	Al	Cu	Al	Cu	Al	Cu	Al
25	3.4	1.6	22.30	690	535	≤0.7270	≤1.2000	≤20	15	140	110	165	130	150	115	160	120
35	3.4	1.6	23.30	809	592	≤0.5240	≤0.8680	≤20	15	170	135	205	155	180	135	190	145
50	3.4	1.7	24.40	976	666	≤0.3870	≤0.6410	≤20	15	205	160	245	190	215	160	225	175
70	3.4	1.7	26.10	1207	773	≤0.2680	≤0.4430	≤20	15	260	200	305	235	265	200	275	215
95	3.4	1.8	27.50	1474	885	≤0.1930	≤0.3200	≤20	15	315	245	370	290	315	240	330	255
120	3.4	1.8	29.00	1744	1000	≤0.1530	≤0.2530	≤20	15	360	280	430	335	360	270	375	290
150	3.4	1.9	30.55	2066	1136	≤0.1240	≤0.2060	≤20	15	410	320	480	380	405	305	425	330
185	3.4	1.9	32.33	2433	1286	≤0.0991	≤0.1640	≤20	15	470	365	560	435	455	345	480	370
240	3.4	2.0	34.90	3013	1525	≤0.0754	≤0.1250	≤20	15	555	435	665	515	530	400	555	435
300	3.4	2.1	37.40	3636	1776	≤0.0601	≤0.1000	≤20	15	640	500	765	595	595	455	630	490
400	3.4	2.2	40.10	4624	2144	≤0.0470	≤0.0778	≤20	15	745	585	890	695	680	520	725	565

8.7/10,8.7/15kv

导线标称截面 Nominal cross sectional area	绝缘厚度 Insulation thickness	护套厚度 sheath thickness	电缆近似外径 Approx. diameter of cable	电缆近似重量 Approx.weight of cable		导线直流电阻 D.C.resistance of conductor 20℃		局部放电试验 Partcial discharge test $1.5U_0$	试验电压 Testing voltage (a.c.)	电缆载流量current rating A							
										在空气中 in air				直埋土壤中 direct in ground			
				Cu	Al	Cu	Al			品		ooo		品		ooo	
mm^2	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	pc	kv/5min	Cu	Al	Cu	Al	Cu	Al	Cu	Al
25	4.5	1.7	24.50	781	626	≤0.7270	≤1.2000	≤20	22	140	110	165	130	150	115	160	120
35	4.5	1.7	25.50	905	688	≤0.5240	≤0.8680	≤20	22	170	135	205	155	180	135	190	145
50	4.5	1.7	26.60	1075	765	≤0.3870	≤0.6410	≤20	22	205	160	245	190	215	160	225	175
70	4.5	1.8	28.30	1312	878	≤0.2680	≤0.4430	≤20	22	260	200	305	235	265	200	275	215
95	4.5	1.9	29.90	1597	1008	≤0.1930	≤0.3200	≤20	22	315	245	370	290	315	240	330	255
120	4.5	1.9	31.40	1870	1126	≤0.1530	≤0.2530	≤20	22	360	280	430	335	360	270	375	290
150	4.5	1.9	32.95	2199	1289	≤0.1240	≤0.2060	≤20	22	410	320	480	380	405	305	425	330
185	4.5	2.0	34.70	2572	1425	≤0.0991	≤0.1640	≤20	22	470	365	560	435	455	345	480	370
240	4.5	2.1	37.30	3163	1675	≤0.0754	≤0.1250	≤20	22	555	435	665	515	530	400	555	435
300	4.5	2.1	39.80	3797	1936	≤0.0601	≤0.1000	≤20	22	640	500	765	595	595	455	630	490
400	4.5	2.3	42.50	4796	2314	≤0.0470	≤0.0778	≤20	22	745	585	890	695	680	520	725	565

12/20kv

导线标称截面 Nominal cross sectional area	绝缘厚度 Insulation thickness	护套厚度 sheath thick -ness	电缆近似外径 Approx. diameter of cable	电缆近似重量 Approx.weight of cable		导线直流电阻 D.C.resistance of conductor 20℃		局部放电试验 Partcial discharge test $1.5U_0$	试验电压 Testing voltage (a.c.)	电缆载流量current rating A							
										在空气中 in air				直埋土壤中 direct in ground			
				Cu	Al	Cu	Al			品		ooo		品		ooo	
mm^2	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	pc	kv/5min	Cu	Al	Cu	Al	Cu	Al	Cu	Al
35	5.5	1.8	27.50	997	780	≤0.5240	≤0.8680	≤20	30	170	135	205	155	180	135	190	145
50	5.5	1.8	28.60	1172	862	≤0.3870	≤0.6410	≤20	30	205	160	245	190	215	160	225	175
70	5.5	1.9	30.50	1426	992	≤0.2680	≤0.4430	≤20	30	260	200	305	235	265	200	275	215
95	5.5	1.9	31.90	1703	114	≤0.1930	≤0.3200	≤20	30	315	245	370	290	315	240	330	255
120	5.5	2.0	33.60	1995	1251	≤0.1530	≤0.2530	≤20	30	360	280	430	335	360	270	375	290
150	5.5	2.0	34.95	2315	1385	≤0.1240	≤0.2060	≤20	30	410	320	490	380	405	305	425	330
185	5.5	2.1	36.90	2709	1562	≤0.0991	≤0.1640	≤20	30	470	365	560	435	455	345	480	370
240	5.5	2.2	39.50	3310	1822	≤0.0754	≤0.1250	≤20	30	555	435	665	515	530	400	555	435
300	5.5	2.2	41.80	3933	2073	≤0.0601	≤0.1000	≤20	30	640	500	765	595	595	455	630	490
400	5.5	2.3	44.50	4940	2460	≤0.0470	≤0.0778	≤20	30	745	585	890	695	680	520	725	565

21/35kv

导线标称截面 Nominal cross sectional area	绝缘厚度 Insulation thickness	护套厚度 sheath thickness	电缆近似外径 Approx. diameter of cable	电缆近似重量 Approx.weight of cable		导线直流电阻 D.C.resistance of conductor 20℃		局部放电试验 Partcial discharge test 1.5U_0	试验电压 Testing voltage (a.c.)	电缆载流量current rating A							
										在空气中 in air				直埋土壤中 direct in ground			
				Cu	Al	Cu	Al			品		ooo		品		ooo	
mm^2	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	pc	kv/5min	Cu	Al	Cu	Al	Cu	Al	Cu	Al
50	9.3	2.1	36.80	1640	1300	≤0.3870	≤0.6410	≤10	53	220	170	245	190	215	165	225	175
70	9.3	2.1	38.50	1904	1470	≤0.2680	≤0.4430	≤10	53	270	210	305	235	265	200	275	215
95	9.3	2.2	40.10	2213	1624	≤0.1930	≤0.3200	≤10	53	330	255	370	285	315	240	330	255
120	9.3	2.2	41.60	2512	1768	≤0.1530	≤0.2530	≤10	53	375	290	425	330	360	270	345	290
150	9.3	2.3	43.20	2866	1936	≤0.1240	≤0.2060	≤10	53	425	330	485	375	440	305	420	325
185	9.3	2.3	44.90	3267	2120	≤0.0991	≤0.1640	≤10	53	485	380	555	430	455	345	475	370
240	9.3	2.4	47.50	3901	2413	≤0.0754	≤0.1250	≤10	53	560	435	650	505	525	400	555	430
300	9.3	2.5	50.00	4574	2714	≤0.0601	≤0.1000	≤10	53	650	510	745	580	595	455	630	490
400	9.3	2.6	52.70	5617	3137	≤0.0470	≤0.0778	≤10	53	760	585	870	680	680	525	720	565

26/35kv

导线标称截面 Nominal cross sectional area	绝缘厚度 Insulation thickness	护套厚度 sheath thickness	电缆近似外径 Approx. diameter of cable	电缆近似重量 Approx.weight of cable		导线直流电阻 D.C.resistance of conductor 20℃		局部放电试验 Partcial discharge test 1.5U_0	试验电压 Testing voltage (a.c.)	电缆载流量current rating A							
										在空气中 in air				直埋土壤中 direct in ground			
				Cu	Al	Cu	Al			品		ooo		品		ooo	
mm^2	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	pc	kv/5min	Cu	Al	Cu	Al	Cu	Al	Cu	Al
50	10.5	2.2	39.40	1811	1501	≤0.3870	≤0.6410	≤10	65	220	170	245	190	215	165	225	175
70	10.5	2.2	41.10	2082	1645	≤0.2680	≤0.4430	≤10	65	270	210	305	235	265	200	275	215
95	10.5	2.3	42.70	2400	1811	≤0.1930	≤0.3200	≤10	65	330	255	370	285	315	240	330	255
120	10.5	2.3	44.20	2703	1959	≤0.1530	≤0.2530	≤10	65	375	290	425	330	360	270	345	290
150	10.5	2.4	45.75	3063	2133	≤0.1240	≤0.2060	≤10	65	425	330	485	375	440	305	420	325
185	10.5	2.4	47.50	3473	2326	≤0.0991	≤0.1640	≤10	65	485	380	555	430	455	345	475	370
240	10.5	2.5	50.10	4115	2627	≤0.0754	≤0.1250	≤10	65	560	435	650	505	525	400	555	430
300	10.5	2.6	52.80	4800	2940	≤0.0601	≤0.1000	≤10	65	650	510	745	580	595	455	630	490
400	10.5	2.7	55.30	5853	3373	≤0.0470	≤0.0778	≤10	65	760	585	870	680	680	525	720	565

3.6/6kv

导线标称截面 Nominal cross sectional area	绝缘厚度 Insulation thickness	护套厚度 sheath thickness	电缆近似外径 Approx. diameter of cable	电缆近似重量 Approx.weight of cable		导线直流电阻 D.C.resistance of conductor 20℃		局部放电试验 Partial discharge test1.5U_0	试验电压 Testing voltage (a.c.)	载流量current rating A			
										在空气中 in air		直埋土壤中 direct in ground	
				Cu	Al	Cu	Al			Cu	Al	Cu	Al
mm^2	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	pc	kv/5min	A	A	A	A
25	2.5	2.1	39.25	1858	1391	≤0.7270	≤1.2000	≤20	11	120	90	125	100
35	2.5	2.2	41.61	2244	1589	≤0.5240	≤0.8680	≤20	11	140	110	155	120
50	2.5	2.3	44.19	2767	1832	≤0.3870	≤0.6410	≤20	11	165	130	180	140
70	2.5	2.4	48.06	3494	2186	≤0.2680	≤0.4430	≤20	11	210	165	220	170
95	2.5	2.5	51.29	4334	2558	≤0.1930	≤0.3200	≤20	11	255	200	265	210
120	2.5	2.6	54.73	5181	2938	≤0.1530	≤0.2530	≤20	11	290	225	300	235
150	2.5	2.7	57.84	6154	3350	≤0.1240	≤0.2060	≤20	11	330	255	340	260
185	2.5	2.9	62.02	7334	3876	≤0.0991	≤0.1640	≤20	11	375	295	380	300
240	2.6	3.0	67.84	9146	4660	≤0.0754	≤0.1250	≤20	11	435	345	435	345
300	2.8	3.2	74.07	1117	5568	≤0.0601	≤0.1000	≤20	11	495	390	485	390

6/6,6/10kv

导线标称截面 Nominal cross sectional area	绝缘厚度 Insulation thickness	护套厚度 sheath thickness	电缆近似外径 Approx. diameter of cable	电缆近似重量 Approx.weight of cable		导线直流电阻 D.C.resistance of conductor 20℃		局部放电试验 Partial discharge test1.5U_0	试验电压 Testing voltage (a.c.)	载流量current rating A			
										在空气中 in air		直埋土壤中 direct in ground	
				Cu	Al	Cu	Al			Cu	Al	Cu	Al
mm^2	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	pc	kv/5min	A	A	A	A
25	3.4	2.2	43.34	2109	1642	≤0.7270	≤1.2000	≤20	15	120	90	125	100
35	3.4	2.3	45.70	2499	1844	≤0.5240	≤0.8680	≤20	15	140	110	155	120
50	3.4	2.4	48.28	3040	2105	≤0.3870	≤0.6410	≤20	15	165	130	180	140
70	3.4	2.5	52.15	3787	2479	≤0.2680	≤0.4430	≤20	15	210	165	220	170
95	3.4	2.7	55.57	4662	2886	≤0.1930	≤0.3200	≤20	15	255	200	265	210
120	3.4	2.8	59.01	5533	3290	≤0.1530	≤0.2530	≤20	15	290	225	300	235
150	3.4	2.9	62.13	6522	3718	≤0.1240	≤0.2060	≤20	15	330	255	340	260
185	3.4	3.0	66.11	7703	4245	≤0.0991	≤0.1640	≤20	15	375	295	380	300
240	3.4	3.1	71.69	9531	5045	≤0.0754	≤0.1250	≤20	15	435	345	435	345
300	3.4	3.3	76.86	1146	5858	≤0.0601	≤0.1000	≤20	15	495	390	485	390

8.7/10,8.7/15kv

导线标称截面 Nominal cross sectional area	绝缘厚度 Insulation thickness	护套厚度 sheath thickness	电缆近似外径 Approx. diameter of cable	电缆近似重量 Approx.weight of cable		导线直流电阻 D.C.resistance of conductor 20℃		局部放电试验 Partial discharge test1.5U_0	试验电压 Testing voltage (a.c.)	载流量current rating A			
										在空气中 in air		直埋土壤中 direct in ground	
				Cu	Al	Cu	Al			Cu	Al	Cu	Al
mm^2	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	pc	kv/5min	A	A	A	A
25	4.5	2.4	48.49	2452	1985	≤0.7270	≤1.2000	≤20	22	120	90	125	100
35	4.5	2.5	50.85	2862	2207	≤0.5240	≤0.8680	≤20	22	140	110	155	120
50	4.5	2.6	53.43	3419	2484	≤0.3870	≤0.6410	≤20	22	165	130	180	140
70	4.5	2.7	57.30	4189	2881	≤0.2680	≤0.4430	≤20	22	210	165	220	170
95	4.5	2.8	60.53	5076	3291	≤0.1930	≤0.3200	≤20	22	255	200	265	210
120	4.5	2.9	63.97	5953	3710	≤0.1530	≤0.2530	≤20	22	290	225	300	235
150	4.5	3.0	67.08	6966	4162	≤0.1240	≤0.2060	≤20	22	330	255	340	260
185	4.5	3.1	71.26	8199	4741	≤0.0991	≤0.1640	≤20	22	375	295	380	300
240	4.5	3.3	76.65	10036	5550	≤0.0754	≤0.1250	≤20	22	435	345	435	345
300	4.5	3.5	82.01	12035	6427	≤0.0601	≤0.1000	≤20	22	495	390	485	390

12/20kv

导线标称截面 Nominal cross sectional area	绝缘厚度 Insulation thickness	护套厚度 sheath thickness	电缆近似外径 Approx. diameter of cable	电缆近似重量 Approx.weight of cable		导线直流电阻 D.C.resistance of conductor 20℃		局部放电试验 Partial discharge test1.5U_0	试验电压 Testing voltage (a.c.)	载流量current rating A			
										在空气中 in air		直埋土壤中 direct in ground	
				Cu	Al	Cu	Al			Cu	Al	Cu	Al
mm^2	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	pc	kv/5min	A	A	A	A
35	5.5	2.7	55.57	3223	2568	≤0.5240	≤0.8680	≤20	30	140	110	155	120
50	5.5	2.7	57.95	3776	2841	≤0.3870	≤0.6410	≤20	30	165	130	180	140
70	5.5	2.9	62.02	3494	3286	≤0.2680	≤0.4430	≤20	30	210	165	220	170
95	5.5	3.0	65.25	5488	3712	≤0.1930	≤0.3200	≤20	30	255	200	265	210
120	5.5	3.1	68.69	6397	4154	≤0.1530	≤0.2530	≤20	30	290	225	300	235
150	5.5	3.2	71.80	7429	4625	≤0.1240	≤0.2060	≤20	30	330	255	340	260
185	5.5	3.3	75.78	8655	5197	≤0.0991	≤0.1640	≤20	30	375	295	380	300
240	5.5	3.5	81.37	10558	6072	≤0.0754	≤0.1250	≤20	30	435	345	435	345
300	5.5	3.6	86.53	12555	6947	≤0.0601	≤0.1000	≤20	30	495	390	485	390

21/35kv

导线标称截面 Nominal cross sectional area	绝缘厚度 Insulation thickness	护套厚度 sheath thickness	电缆近似外径 Approx. diameter of cable	电缆近似重量 Approx.weight of cable		导线直流电阻 D.C.resistance of conductor 20℃		局部放电试验 Partial discharge test1.5U_0	试验电压 Testing voltage (a.c.)	载流量current rating A			
										在空气中 in air		直埋土壤中 direct in ground	
				Cu	Al	Cu	Al			Cu	Al	Cu	Al
mm^2	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	pc	kv/5min	A	A	A	A
50	9.3	3.3	75.57	4817	4492	≤0.3870	≤0.6410	≤10	53	185	145	200	170
70	9.3	3.4	79.44	5668	5000	≤0.2680	≤0.4430	≤10	53	230	190	250	190
95	9.3	3.6	82.86	6642	5533	≤0.1930	≤0.3200	≤10	53	280	215	300	230
120	9.3	3.7	86.30	7603	6054	≤0.1530	≤0.2530	≤10	53	310	240	330	255
150	9.3	3.8	89.42	8678	6593	≤0.1240	≤0.2060	≤10	53	360	280	380	295
185	9.3	3.9	93.40	9965	7255	≤0.0991	≤0.1640	≤10	53	400	310	425	330

26/35kv

导线标称截面 Nominal cross sectional area	绝缘厚度 Insulation thickness	护套厚度 sheath thickness	电缆近似外径 Approx. diameter of cable	电缆近似重量 Approx.weight of cable		导线直流电阻 D.C.resistance of conductor 20℃		局部放电试验 Partial discharge test1.5U_0	试验电压 Testing voltage (a.c.)	载流量current rating A			
										在空气中 in air		直埋土壤中 direct in ground	
				Cu	Al	Cu	Al			Cu	Al	Cu	Al
mm^2	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	pc	kv/5min	A	A	A	A
50	10.5	3.5	81.15	6033	5098	≤0.3870	≤0.6410	≤10	65	185	145	200	170
70	10.5	3.6	85.02	6945	5637	≤0.2680	≤0.4430	≤10	65	230	190	250	190
95	10.5	3.7	88.25	7935	6159	≤0.1930	≤0.3200	≤10	65	280	215	300	230
120	10.5	3.8	91.69	8943	6700	≤0.1530	≤0.2530	≤10	65	310	240	330	255
150	10.5	3.9	94.80	10066	7262	≤0.1240	≤0.2060	≤10	65	360	280	380	295
185	10.5	4.1	98.98	11453	7995	≤0.0991	≤0.1640	≤10	65	400	310	425	330

3.6/6kv

导线标称截面 Nominal cross sectional area	绝缘厚度 Insulation thickness	内护套厚度 sheath thickness	钢丝直径 Steelwire diameter	护套厚度 sheath thickness	电缆近似外径 Approx. diameter of cable	电缆近似重量 Approx.weight of cable		导线直流电阻 D.C.resistance of conductor 20℃		局部放电试验 Partial discharge test1.5U_0	试验电压 Testing voltage (a.c.)	载流量current rating A			
												在空气中 in air		直埋土壤中 direct in ground	
						Cu	Al	Cu	Al			Cu	Al	Cu	Al
mm^2	mm	mm	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	pc	kv/5min	A	A	A	A
25	2.5	1.2	0.5	2.3	44.05	2816	2348	≤0.7270	≤1.2000	≤20	11	120	90	125	100
35	2.5	1.3	0.5	2.3	46.41	3254	2600	≤0.5240	≤0.8680	≤20	11	140	110	155	120
50	2.5	1.3	0.5	2.4	48.99	3842	2907	≤0.3870	≤0.6410	≤20	11	165	130	180	140
70	2.5	1.4	0.5	2.6	53.26	4706	3398	≤0.2680	≤0.4430	≤20	11	210	165	220	170
95	2.5	1.5	0.5	2.7	56.69	5646	3870	≤0.1930	≤0.3200	≤20	11	255	200	265	210
120	2.5	1.5	0.5	2.8	60.13	6580	4337	≤0.1530	≤0.2530	≤20	11	290	225	300	235
150	2.5	1.6	0.5	2.9	63.44	7659	4855	≤0.1240	≤0.2060	≤20	11	330	255	340	260
185	2.5	1.7	0.5	3.0	67.62	8946	5488	≤0.0991	≤0.1640	≤20	11	375	295	380	300
240	2.6	1.8	0.5	3.2	73.84	10972	6485	≤0.0754	≤0.1250	≤20	11	435	345	435	345
300	2.8	1.9	0.5	3.4	80.27	13194	7586	≤0.0601	≤0.1000	≤20	11	495	390	485	390

6/6,6/10kv

导线标称截面 Nominal cross sectional area	绝缘厚度 Insulation thickness	内护套厚度 sheath thickness	钢带厚度 Steelwire thickness	护套厚度 sheath thickness	电缆近似外径 Approx. diameter of cable	电缆近似重量 Approx.weight of cable		导线直流电阻 D.C.resistance of conductor 20℃		局部放电试验 Partial discharge test1.5U_0	试验电压 Testing voltage (a.c.)	载流量current rating A			
												在空气中 in air		直埋土壤中 direct in ground	
						Cu	Al	Cu	Al			Cu	Al	Cu	Al
mm^2	mm	mm	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	pc	kv/5min	A	A	A	A
25	3.4	1.3	0.5	2.4	48.34	3181	2714	≤0.7270	≤1.2000	≤20	15	120	90	125	100
35	3.4	1.3	0.5	2.4	50.70	3830	2976	≤0.5240	≤0.8680	≤20	15	140	110	155	120
50	3.4	1.4	0.5	2.6	53.48	4258	3323	≤0.3870	≤0.6410	≤20	15	165	130	180	140
70	3.4	1.5	0.5	2.7	57.55	5125	3816	≤0.2680	≤0.4430	≤20	15	210	165	220	170
95	3.4	1.5	0.5	2.8	60.77	6056	4280	≤0.1930	≤0.3200	≤20	15	255	200	265	210
120	3.4	1.6	0.5	2.9	64.41	7038	4795	≤0.1530	≤0.2530	≤20	15	290	225	300	235
150	3.4	1.6	0.5	3.0	67.93	8165	5361	≤0.1240	≤0.2060	≤20	15	330	255	340	260
185	3.4	1.7	0.5	3.1	71.91	9444	5986	≤0.0991	≤0.1640	≤20	15	375	295	380	300
240	3.4	1.8	0.5	3.3	77.49	11420	6933	≤0.0754	≤0.1250	≤20	15	435	345	435	345
300	3.4	1.9	0.5	3.5	83.06	13560	7952	≤0.0601	≤0.1000	≤20	15	495	390	485	390

8.7/10,8.7/15kv

导线标称截面 Nominal cross sectional area	绝缘厚度 Insulation thickness	内护套厚度 sheath thickness	钢带厚度 Steelwire thickness	护套厚度 sheath thickness	电缆近似外径 Approx. diameter of cable	电缆近似重量 Approx.weight of cable		导线直流电阻 D.C.resistance of conductor 20℃		局部放电试验 Partial discharge test1.5U_0	试验电压 Testing voltage (a.c.)	载流量current rating A			
												在空气中 in air		直埋土壤中 direct in ground	
						Cu	Al	Cu	Al			Cu	Al	Cu	Al
mm^2	mm	mm	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	pc	kv/5min	A	A	A	A
25	4.5	1.4	0.5	2.5	53.69	3675	3208	≤0.7270	≤1.2000	≤20	22	120	90	125	100
35	4.5	1.4	0.5	2.6	56.25	4167	3512	≤0.5240	≤0.8680	≤20	22	140	110	155	120
50	4.5	1.5	0.5	2.7	58.83	4787	3852	≤0.3870	≤0.6410	≤20	22	165	130	180	140
70	4.5	15	0.5	2.8	62.90	5682	4374	≤0.2680	≤0.4430	≤20	22	210	165	220	170
95	4.5	1.6	0.5	3.0	66.13	6640	4864	≤0.1930	≤0.3200	≤20	22	255	200	265	210
120	4.5	1.7	0.5	3.1	69.77	7643	5400	≤0.1530	≤0.2530	≤20	22	290	225	300	235
150	4.5	1.7	0.5	3.2	73.08	8769	5965	≤0.1240	≤0.2060	≤20	22	330	255	340	260
185	4.5	1.8	0.5	3.3	77.26	10109	6651	≤0.0991	≤0.1640	≤20	22	375	295	380	300
240	4.5	1.9	0.5	3.5	82.85	12123	7637	≤0.0754	≤0.1250	≤20	22	435	345	435	345
300	4.5	2.0	0.8	3.7	89.61	15208	9600	≤0.0601	≤0.1000	≤20	22	495	390	485	390

12/20kv

导线标称截面 Nominal cross sectional area	绝缘厚度 Insulation thickness	内护套厚度 sheath thickness	钢带厚度 Steelwire thickness	护套厚度 sheath thickness	电缆近似外径 Approx. diameter of cable	电缆近似重量 Approx.weight of cable		导线直流电阻 D.C.resistance of conductor 20℃		局部放电试验 Partial discharge test1.5U_0	试验电压 Testing voltage (a.c.)	载流量current rating A			
												在空气中 in air		直埋土壤中 direct in ground	
						Cu	Al	Cu	Al			Cu	Al	Cu	Al
mm^2	mm	mm	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	pc	kv/5min	A	A	A	A
35	5.5	1.5	0.5	2.8	60.77	4617	3962	≤0.5240	≤0.8680	≤20	30	140	110	155	120
50	5.5	1.6	0.5	2.9	63.55	5286	4351	≤0.3870	≤0.6410	≤20	30	165	130	180	140
70	5.5	1.7	0.5	3.0	67.62	6205	4897	≤0.2680	≤0.4430	≤20	30	210	165	220	170
95	5.5	1.7	0.5	3.2	71.05	7209	5433	≤0.1930	≤0.3200	≤20	30	255	200	265	210
120	5.5	1.8	0.5	3.3	74.69	8246	5998	≤0.1530	≤0.2530	≤20	30	290	225	300	235
150	5.5	1.9	0.5	3.4	78.00	9387	6583	≤0.1240	≤0.2060	≤20	30	330	255	340	260
185	5.5	1.9	0.5	3.5	81.98	10718	7260	≤0.0991	≤0.1640	≤20	30	375	295	380	300
240	5.5	2.0	0.8	3.7	88.97	13706	9220	≤0.0754	≤0.1250	≤20	30	435	345	435	345
300	5.5	2.1	0.8	3.9	94.53	15981	10373	≤0.0601	≤0.1000	≤20	30	495	390	485	390

12/35kv

导线标称截面 Nominal cross sectional area	绝缘厚度 Insulation thickness	内护套厚度 sheath thickness	钢丝直径 Steelwire diameter	护套厚度 sheath thickness	电缆近似外径 Approx diameter of cable	电缆近似重量 Approx.weight of cable		导线直流电阻 D.C.resistance of conductor 20℃		局部放电试验 Partial discharge test1.5U_0	试验电压 Testing voltage (a.c.)	载流量current rating A			
												在空气中 in air		直埋土壤中 direct in ground	
						Cu	Al	Cu	Al			Cu	Al	Cu	Al
mm^2	mm	mm	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	pc	kv/5min	A	A	A	A
50	9.3	1.8	0.8	3.6	83.17	8376	7441	≤0.3870	≤0.6410	≤10	53	185	145	200	170
70	9.3	2.0	0.8	3.7	87.24	9442	8134	≤0.2680	≤0.4430	≤10	53	230	190	250	190
95	9.3	2.1	0.8	3.8	90.66	10573	8797	≤0.1930	≤0.3200	≤10	53	280	215	300	230
120	9.3	2.1	0.8	3.9	94.10	11690	9447	≤0.1530	≤0.2530	≤10	53	310	240	330	255
150	9.3	2.2	0.8	4.0	97.42	12957	10153	≤0.1240	≤0.2060	≤10	53	360	280	380	295
185	9.3	2.2	0.8	4.1	101.40	14423	10965	≤0.0991	≤0.1640	≤10	53	400	310	425	330

26/35kv

导线标称截面 Nominal cross sectional area	绝缘厚度 Insulation thickness	内护套厚度 sheath thickness	钢丝直径 Steelwire diameter	护套厚度 sheath thickness	电缆近似外径 Approx. diameter of cable	电缆近似重量 Approx.weight of cable		导线直流电阻 D.C.resistance of conductor 20℃		局部放电试验 Partial discharge test1.5U_0	试验电压 Testing voltage (a.c.)	载流量current rating A			
												在空气中 in air		直埋土壤中 direct in ground	
						Cu	Al	Cu	Al			Cu	Al	Cu	Al
mm^2	mm	mm	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	pc	kv/5min	A	A	A	A
50	10.5	2.0	0.8	3.8	88.95	9212	8277	≤0.3870	≤0.6410	≤10	65	185	145	200	170
70	10.5	2.1	0.8	3.9	93.02	10311	9003	≤0.2680	≤0.4430	≤10	65	230	190	250	190
95	10.5	2.2	0.8	4.0	96.45	11471	9695	≤0.1930	≤0.3200	≤10	65	280	215	300	230
120	10.5	2.2	0.8	4.1	99.89	12609	10366	≤0.1530	≤0.2530	≤10	65	310	240	330	255
150	10.5	2.3	0.8	4.2	103.20	13900	11096	≤0.1240	≤0.2060	≤10	65	360	280	380	295
185	10.5	2.3	0.8	4.3	107.18	15399	11941	≤0.0991	≤0.1640	≤10	65	400	310	425	330

不同土壤热阻系数的载流量修正系数(3.6/6kV~26/35kV)
Rating factors of current rating for ground thermal resistve

电压 Voltage	导线标称截面 Nominal cross Sectional area	土壤热阻系数 Ratine factors for ground themaire siafive pt k.m/W				
kV	mm²	0.8	1.0	1.2	1.5	2.0
3.6/6~6/6	≤35	1.06	1.00	0.95	0.88	0.8
	50~150	1.08	1.00	0.94	0.87	0.77
	≥185	1.09	1.00	0.93	0.85	0.76
6/10~8.7/15	≤35	1.05	1.00	0.95	0.89	0.80
	50~150	1.06	1.00	0.94	0.88	0.79
	≥185	1.07	1.00	0.93	0.86	0.77
12/20~26/35	≤95	1.05	1.00	0.95	0.90	0.82
	≥120	1.06	1.00	0.94	0.83	0.80

不同环境温度下载流量修正系数(3.6/6kV~26/35kV)
Rating factors of current rating for ambient temperature

导线工作温度 Operating temperature of conductor℃	空气温度 Air temperature℃								
	10	15	20	25	30	35	40	45	50
90	1.26	1.22	1.18	1.14	1.08	1.04	1.00	0.94	0.89
导线工作温度 Operating temperature of conductor	土壤温度 Ground temperature℃								
	10	15	20	25	30	35			
90	1.11	1.07	1.04	1.00	0.96	0.92			

短路电流(3.6/6kV~26/35kV) Short-circuit current

导线标称截面 Nominal cross sectional area mm²	导体允许短路电流 conductor short circuit current(1s)		导线标称截面 Nominal cross sectional area mm²	导体允许短路电流 conductor short circuit current(1s)	
	Cu	Al		Cu	Al
25	≤3.58	≤2.36	185	≤26.49	≤17.48
35	≤5.01	≤3.31	240	≤34.36	≤22.68
50	≤7.16	≤4.72	300	≤42.95	≤28.35
70	≤10.02	≤6.61	400	≤57.27	≤37.79
95	≤13.60	≤8.98	500	≤71.59	≤47.24
120	≤17.18	≤11.34	630	≤90.20	≤59.52
150	≤21.48	≤14.17			

电缆电容、电感
Capacitance and inductandce of cable

导线标称截面 Nominal cross sectional area	3.6/6kV						6/6,6/10kV						8.7/10,8.7/15kV					
	电容 电抗 Electric capacity	电感 Inductance mH/km					电容 电抗 Electric capacity	电感 Inductance mH/km					电容 电抗 Electric capacity	电感 Inductance mH/km				
		单芯 Single core				三芯 Three cores		单芯 Single core				三芯 Three cores		单芯 Single core				三芯 Three cores
		无铠 unarmoured		铠装 armoured				无铠 unarmoured		铠装 armoured				无铠 unarmoured		铠装 armoured		
mm²	μF/km	品	ooo	品	ooo		μF/km	品	ooo	品	ooo		μF/km	品	ooo	品	ooo	
25	0.27	0.57	0.61	0.61	0.66	0.37	0.21	0.58	0.63	0.63	0.67	0.40	0.17	0.60	0.65	0.65	0.70	0.42
35	0.29	0.55	0.59	0.59	0.64	0.38	0.23	0.56	0.61	0.61	0.66	0.38	0.19	0.58	0.63	0.63	0.67	0.40
50	0.33	0.52	0.57	0.57	0.61	0.34	0.26	0.54	0.58	0.59	0.63	0.36	0.21	0.56	0.60	0.60	0.65	0.38
70	0.37	0.50	0.55	0.55	0.60	0.32	0.29	0.52	0.57	0.56	0.61	0.34	0.23	0.54	0.58	0.58	0.62	0.36
95	0.41	0.49	0.53	0.53	0.58	0.31	0.32	0.50	0.55	0.54	0.59	0.32	0.26	0.52	0.56	0.56	0.60	0.34
120	0.46	0.47	0.52	0.52	0.56	0.29	0.35	0.48	0.53	0.53	0.57	0.31	0.28	0.50	0.55	0.54	0.58	0.33
150	0.50	0.46	0.51	0.50	0.55	0.29	0.38	0.47	0.52	0.51	0.56	0.30	0.30	0.49	0.53	0.53	0.57	0.32
185	0.54	0.45	0.50	0.49	0.54	0.28	0.41	0.46	0.51	0.50	0.55	0.29	0.33	0.48	0.52	0.52	0.56	0.31
240	0.56	0.45	0.49	0.48	0.53	0.27	0.44	0.46	0.50	0.50	0.54	0.28	0.35	0.47	0.51	0.51	0.55	0.30
300	0.58	0.44	0.48	0.48	0.52	0.27	0.49	0.45	0.49	0.48	0.53	0.28	0.38	0.46	0.50	0.49	0.54	0.29
400	0.60	0.43	0.48	0.47	0.52	0.26	0.54	0.44	0.48	0.47	0.52	0.27	0.42	0.45	0.49	0.48	0.53	0.28
500	0.65	0.42	0.47	0.46	0.50	0.26	0.62	0.42	0.47	0.46	0.50	0.26	0.48	0.43	0.48	0.47	0.52	0.27
630	0.72	0.41	0.46				0.68	0.42	0.46				0.53	0.43	0.47			
导线标称截面 Nominal cross sectional area	12/20kV						21/35kV						8.7/10,8.7/15kV					
	电容 电抗 Electric capacity	电感 Inductance mH/km					电容 电抗 Electric capacity	电感 Inductance mH/km					电容 电抗 Electric capacity	电感 Inductance mH/km				
		单芯 Single core				三芯 Three cores		单芯 Single core				三芯 Three cores		单芯 Single core				三芯 Three cores
		无铠 unarmoured		铠装 armoured				无铠 unarmoured		铠装 armoured				无铠 unarmoured		铠装 armoured		
mm²	μF/km	品	ooo	品	ooo		μF/km	品	ooo	品	ooo		μF/km	品	ooo	品	ooo	
35	0.16	0.60	0.64	0.64	0.69	0.42												
50	0.18	0.57	0.62	0.61	0.66	0.39	0.13	0.62	0.67	0.66	0.70	0.45	0.12	0.63	0.68	0.67	0.72	0.46
70	0.20	0.55	0.60	0.59	0.64	0.38	0.14	0.60	0.64	0.64	0.68	0.43	0.13	0.61	0.66	0.65	0.69	0.44
95	0.22	0.53	0.58	0.57	0.61	0.36	0.15	0.57	0.62	0.61	0.66	0.41	0.14	0.59	0.63	0.62	0.67	0.42
120	0.24	0.51	0.56	0.55	0.60	0.34	0.16	0.56	0.60	0.59	0.64	0.39	0.15	0.57	0.61	0.61	0.65	0.40
150	0.26	0.50	0.55	0.54	0.59	0.33	0.17	0.54	0.59	0.58	0.62	0.37	0.16	0.55	0.60	0.59	0.64	0.39
185	0.28	0.49	0.53	0.53	0.57	0.32	0.19	0.53	0.57	0.57	0.61	0.36	0.17	0.54	0.59	0.58	0.62	0.37
240	0.30	0.48	0.53	0.52	0.56	0.31	0.20	0.52	0.56	0.55	0.60	0.35	0.18	0.53	0.57	0.56	0.61	0.36
300	0.32	0.47	0.51	0.50	0.55	0.30	0.21	0.50	0.55	0.54	0.59	0.34	0.20	0.51	0.56	0.55	0.59	0.35
400	0.35	0.46	0.50	0.50	0.54	0.29	0.23	0.49	0.54	0.53	0.57	0.33	0.21	0.50	0.55	0.53	0.58	0.34
500	0.40	0.44	0.49	0.48	0.53	0.28	0.26	0.47	0.52	0.51	0.55		0.24	0.48	0.53	0.51	0.56	
630	0.44	0.43	0.48				0.29	0.46	0.51				0.26	0.47	0.52			

标准 Standard

本产品参照采用国际电工委员会IEC502、IEC332-3等标准生产制造。

This product adopts the standards of IEC502 & IEC 332-3

适用范围 Scope of application

产品适用于固定敷设在交流额定电压(U_0/U)0.6/1kV的线路作输配电能只用。

This item is applied for the alternating current circuitry with voltage(U_0/U)0.6/1kV for the power supply

电缆的型号、名称和使用范围

Type,Description & Application of cable

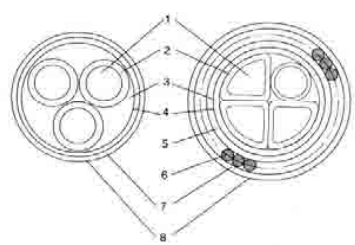
型号Type	名称 Description	适用范围 Main application
VV VLV	聚氯乙烯绝缘聚氯乙烯护套电力电缆 PVC insulated PVC sheathed power cable.	敷设在室内、隧道及管道中，电缆不能承受压力和机械外力作用。 for laying in doors,inducts and kin tunels,but unable to bear pulling force and pressure.
VV_{22} VLV_{22}	聚氯乙烯绝缘钢带铠装聚氯乙烯护套电力电缆 PVC insulated steel tape armoured PVC sheathed power cable.	敷设在室内、隧道及直埋土壤中，电缆能承受压力和其他外力作用。 for layinng in doors,in tunels and direct in ground,able to bear pullihng force and pressure.
VV_{32} VLV_{32}	聚氯乙烯绝缘细钢丝铠装聚氯乙烯护套电力电缆 PVC insulated fine steel wire armoured PVC sheathed power cable.	敷设在室内、矿井中、水中，电缆能承受相当的拉力。 for laying down wells and under watedr,able to bear certain axis pulling force.
VV_{42} VLV_{42}	聚氯乙烯绝缘粗钢丝铠装聚氯乙烯护套电力电缆 PVC insulated steel wire armoured pvc sheathed power cable.	敷设在竖井，水下等垂直场合，能承受相当的轴向拉力。 for laying down wells and under watedr,able to bear certain pulling force.
ZR-VV ZR-VLV	聚氯乙烯绝缘聚氯乙烯护套阻燃电力电缆 PVC insulated PVC sheathed flame retardant power cable.	敷设在室内、隧道及管道中，电缆不能承受压力和机械外力作用。 for laying in doors,inducts and in tunels,but unable to bear pulling force and pressure.
ZR-VV_{22} ZR-VLV_{22}	聚氯乙烯绝缘钢带铠装聚氯乙烯护套阻燃电力电缆 PVC insulated steel tapa armoured PVC sheathed flame retardant power cable.	敷设在室内、隧道及直埋土壤中，电缆能承受压力及其他外力作用。 for laying in doors,in tunels and directin ground,able to bear pulling force and pressure.
ZR-VV_{32} ZR-VLV_{32}	聚氯乙烯绝缘细钢丝铠装聚氯乙烯护套阻燃电力电缆 PVC insulated fine steel wire aarmoured PVC sheathed flame retardant power cable.	敷设在室内，矿井中，水中，电缆能承受相当的拉力。 for laying in doors,in wells,under water,able to bear certain pulling force.
ZR-VV_{42} ZR-VLV_{42}	聚氯乙烯绝缘粗钢丝铠装聚氯乙烯护套阻燃电力电缆 PVC insulated steel wire armoured PVC sheathed flame retardant power cable.	敷设在竖井，水处等垂直场合，能承受相当的轴向拉力。 for laying down wells and under water,able to bear certain axis pulling force.

*型号中L为铝芯

*L--Aluminium conductor

电缆结构 Cable composition

1. 导体 Conductor
2. 绝缘(PVC) PVC insulation
3. 填充 Filler
4. 包带 Tape
5. 内护套 Inner sheath
6. 钢丝铠装 Steel tape armoure
7. 外护套 Outer sheath
8. 标志 Mark



生产范围
Range of production

型号Type	芯 数 number of core(s)	额定电压 Voltage 0.6/1kV 标称截面 Nom.cross sect.area mm²	
		Cu	Al
VV VLV ZR-VV ZR-VLV $VV_{22}VLV_{22}ZR\text{-}VV_{22}ZR\text{-}VLV_{22}$ $VV_{32}VLV_{32}ZR\text{-}VV_{32}ZR\text{-}VLV_{32}$	1	1.5--630 10--630 16--630	1.5--630 10--630 25--630
VV VLV ZR-VV ZR-VLV $VV_{22}VLV_{22}ZR\text{-}VV_{22}ZR\text{-}VLV_{22}$ $VV_{32(42)}VLV_{32(42)}ZR\text{-}VV_{32(42)}ZR\text{-}VLV_{32(42)}$	2	1.5--185 4-185	1.5--185 4-185
VV VLV ZR-VV ZR-VLV $VV_{22}VLV_{22}ZR\text{-}VV_{22}ZR\text{-}VLV_{22}$ $VV_{32(42)}VLV_{32(42)}ZR\text{-}VV_{32(42)}ZR\text{-}VLV_{32(42)}$	3	1.5--300 4--300	1.5--300 6--300
VV VLV ZR-VV ZR-VLV $VV_{22(32,42)}VLV_{22(32,42)}$ $ZR\text{-}VV_{22(32,42)}ZR\text{-}VLV_{22(32,42)}$	3+1	4--300	4--300
	4	4--240	4--240
VV VLV ZR-VV ZR-VLV $VV_{22(32,42)}VLV_{22(32,42)}$ $ZR\text{-}VV_{22(32,42)}ZR\text{-}VLV_{22(32,42)}$	5; 4+1; 3+2	4--240	4--240

1、单芯铠装电缆仅用于直流系统，若用交流系统，应采用非磁性材料的铠装层或采用隔磁措施。

The single core armoured cables are used for D.C. system only.As for A.C.system,the magnetic isolation should be applied on the steel armoure wires or non-magnetical materials should be used.

2、本厂可根据用户要求，生产圆形导体结构或扇形导体结构的各类五芯电缆。

The round and sector conductor five cores cables may be produced by orders.

主要性能

序 号	项 目			性 能
1	结 构			按附表规定
2	导体电阻			不大于附表规定
3	耐电压试验		A.C 3.5kV 5min	不击穿
4	老化前机械性能	抗张强度	绝缘	最小12.5N/mm²
			护套	最小12.5N/mm²
		断裂伸长率	绝缘	最小150%
			护套	最小150%
	老化后机械性能	抗张强度	绝缘	100℃±2℃7天 最小12.5N/mm²
			护套	100℃±2℃7天 最小12.5N/mm²
		变化率	绝缘	100℃±2℃7天 最大±25%
			护套	100℃±2℃7天 最大±25%
		断裂伸长率	绝缘	100℃±2℃7天 最小150%
			护套	100℃±2℃7天 最小150%
		变化率	绝缘	100℃±2℃7天 最大±25%
			护套	100℃±2℃7天 最大±25%
5	阻燃性能			符合GB12666.5-90(CB类)和IEC332-3(CB类)
6	绝缘电阻常数		在20℃最小	36.7
	Ki MΩ.km		在70℃最小	0.037

Main Properties

No	Test Item			Property
1	Construction			Listed to the tables
2	Conductor resistance			Listed to the tables
3	Voltage test		A.C 3.5kV 5min	No breaken
4	Mechanical properties before aging	Tensile strength	Insulation	Min.12.5N/mm²
			Sheath	Min.12.5N/mm²
		Elongation at break	Insulation	Min.150%
			Sheath	Min.150%
	Mechanical properties after aging	Tensile strength	Insulation	100℃±2℃ 7days Min.±12.5N/mm²
			Sheath	100℃±2℃ 7days Min.±12.5N/mm²
		Varying valve of tensile strength	Insulation	100℃±2℃ 7days Max.±25%
			Sheath	100℃±2℃ 7days Max.±25%
		Elongation at break	Insulation	100℃±2℃ 7days Min.150%
			Sheath	100℃±2℃ 7days Min.150%
		Varying valve of tensile strength	Insulation	100℃±2℃ 7days Max.±25%
			Sheath	100℃±2℃ 7days Max.±25%
5	Flame-retardant property			Comply with GB12666.5-90(CB) andIEC332-3(CB)
6	Constant of insulation resistivity		Min at 20℃	36.7
	Ki MΩ.km		Min at 70℃	0.037

电缆结构尺寸 Construction

0.6/1kv PVC 绝缘PVC护套阻燃或非阻燃电力电缆

0.6/1kv PVC Insulated PVC Sheathed Flame Retardant and Non–flame Retardant power Cable (1 core)

导线标称截面 Nom.cross sec.area of conductor	导体中单线根数 Single quantity of Conductor	绝缘厚度 Insu. thickness	护套厚度 Sheath thickness	电缆近似外径 Approx. dia of cable	电缆近似重量 Cable approx.weight		导线直流电阻 D.C.resisance		试验电压 Test voltage(ac)
					Cu	Al	20℃Cu	20℃Al	
mm²		mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	kv/5min
1×1.5	1	0.8	1.4	5.8	50.7	41.3	12.1		3.5
1×2.5	1	0.8	1.4	6.2	63.5	47.9	7.41	12.1	3.5
1×4	1	1.0	1.4	7.0	87.7	63.0	4.61	7.41	3.5
1×6	1	1.0	1.4	7.5	111.0	75.9	3.08	4.61	3.5
1×10	7	1.0	1.4	8.8	166.6	93.0	1.83	3.02	3.5
1×16	7	1.0	1.4	9.8	233.3	132.2	1.15	1.91	3.5
1×25	7	1.2	1.4	11.5	344.9	185.4	0.727	1.20	3.5
1×35	7	1.2	1.4	12.6	449.8	228.7	0.524	0.868	3.5
1×50	19	1.4	1.4	14.4	590.5	289.8	0.387	0.641	3.5
1×70	19	1.4	1.4	16.2	807.3	374.2	0.268	0.443	3.5
1×95	19	1.6	1.5	18.6	1102.0	501.4	0.193	0.320	3.5
1×120	37	1.6	1.5	20.2	1349.0	590.3	0.153	0.253	3.5
1×150	37	1.8	1.6	22.3	1654.0	721.3	0.124	0.206	3.5
1×185	37	2.0	1.7	24.8	2060.0	891.6	0.0991	0.164	3.5
1×240	61	2.2	1.8	28.0	2651.0	1114.0	0.0754	0.125	3.5
1×300	61	2.4	1.9	30.9	3323.0	1396.0	0.0601	0.100	3.5
1×400	61	2.6	2.0	34.4	4205.0	1742.0	0.0470	0.0778	3.5
1×500	61	2.8	2.1	38.5	5359.0	2128.0	0.0366	0.0605	3.5
1×630	91	2.8	2.2	42.5	6707.0	2605.0	0.0283	0.0469	3.5

(2 cores)

导线标称截面 Nom.cross sec.area of conductor	导体中单线根数 Single quantity of Conductor	绝缘厚度 Insu. thickness	护套厚度 Sheath thickness	电缆近似外径 Approx. dia of cable	电缆近似重量 Cable approx.weight		导线直流电阻 D.C.resisance		试验电压 Test voltage(ac)
					Cu	Al	20℃Cu	20℃Al	
mm²		mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	kv/5min
2×1.5	1	0.8	1.8	10.4	119	100	12.1		3.5
2×2.5	1	0.8	1.8	11.1	150	118	7.41	12.1	3.5
2×4	1	1.0	1.8	12.8	210	160	4.61	7.41	3.5
2×6	1	1.0	1.8	13.8	264	192	3.08	4.61	3.5
2×10	7	1.0	1.8	16.4	393	242	1.83	3.02	3.5
2×16	7	1.0	1.8	18.5	541	334	1.15	1.91	3.5
2×25	7	1.2	1.8	21.9	794	469	0.727	1.20	3.5
2×35	7	1.2	1.8	24.1	1037	585	0.524	0.868	3.5
2×50	19	1.4	1.8	20.8	1227	620	0.387	0.641	3.5
2×70	19	1.4	1.9	23.2	1650	747	0.268	0.443	3.5
2×95	19	1.6	2.0	26.4	2213	988	0.193	0.320	3.5
2×120	19	1.6	2.1	28.8	2733	1186	0.153	0.253	3.5
2×150	37	1.8	2.2	31.6	3396	1462	0.124	0.206	3.5
2×185	37	2.0	2.4	35.0	3943	1668	0.0991	0.164	3.5

(3 cores)

导线标称截面 Nom.cross sec.area of conductor	导体中单线根数 Single quantity of Conductor	绝缘厚度 Insu. thickness	护套厚度 Sheath thickness	电缆近似外径 Approx. dia of cable	电缆近似重量 Cable approx.weight		导线直流电阻 D.C.resisance		试验电压 Test voltage(ac)
					Cu	Al	20℃Cu	20℃Al	
mm²		mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	kv/5min
3×1.5	1	0.8	1.8	10.8	142.0	113.0	12.1		3.5
3×2.5	1	0.8	1.8	11.6	187.0	139.0	7.41	12.1	3.5
3×4	1	1.0	1.8	13.5	265.0	189.0	4.61	7.41	3.5
3×6	1	1.0	1.8	14.6	335.0	227.0	3.08	4.61	3.5
3×10	7	1.0	1.8	17.4	514.0	290.0	1.83	3.02	3.5
3×16	7	1.0	1.8	19.6	728.0	419.0	1.15	1.91	3.5
3×25	7	1.2	1.8	23.2	1084.0	596.0	0.727	1.20	3.5
3×35	7	1.2	1.8	25.6	1422.0	745.0	0.524	0.868	3.5
3×50	19	1.4	1.8	24.4	1801.0	834.0	0.387	0.641	3.5
3×70	19	1.4	2.0	27.5	2415.0	1061.0	0.268	0.443	3.5
3×95	19	1.6	2.1	31.6	3205.0	1418.0	0.193	0.320	3.5
3×120	19	1.6	2.2	34.3	4037.0	1716.0	0.153	0.253	3.5
3×150	37	1.8	2.3	37.8	5028.0	2127.0	0.124	0.206	3.5
3×185	37	2.0	2.5	42.3	6180.0	2602.0	0.0991	0.164	3.5
3×240	37	2.2	2.7	47.8	7949.0	3308.0	0.0754	0.125	3.5
3×300	37	2.4	2.9	52.7	9780.0	3979.0	0.0601	0.100	3.5

(4 cores)

导线标称截面 Nom.cross sec.area of conductor	导体中单线根数 Single quantity of Conductor	绝缘厚度 Insu. thickness	护套厚度 Sheath thickness	电缆近似外径 Approx. dia of cable	电缆近似重量 Cable approx.weight		导线直流电阻 D.C.resisance		试验电压 Test voltage(ac)
					Cu	Al	20℃Cu	20℃Al	
mm²		mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	kv/5min
4×2.5	1	0.8	1.8	12.5	232.0	169.0	7.41	12.1	3.5
4×4	1	1.0	1.8	14.6	322.0	221.0	4.61	7.41	3.5
4×6	1	1.0	1.8	15.8	422.0	271.0	3.08	4.61	3.5
4×10	7	1.0	1.8	18.9	649.0	388.0	1.83	3.02	3.5
4×16	7	1.0	1.8	21.4	922.0	509.0	1.15	1.91	3.5
4×25	7	1.2	1.8	25.5	1373.0	722.0	0.727	1.20	3.5
4×35	7	1.2	1.8	28.2	1802.0	898.0	0.524	0.868	3.5
4×50	19	1.4	1.9	27.7	2390.0	1091.0	0.387	0.641	3.5
4×70	19	1.4	2.1	31.3	3202.0	1396.0	0.268	0.443	3.5
4×95	19	1.6	2.2	35.9	4315.0	1866.0	0.193	0.320	3.5
4×120	19	1.6	2.4	39.3	5359.0	2265.0	0.153	0.253	3.5
4×150	37	1.8	2.5	43.7	6679.0	2811.0	0.124	0.206	3.5
4×185	37	2.0	2.7	48.4	8190.0	3420.0	0.0991	0.164	3.5
4×240	37	2.2	2.9	54.7	10494.0	4305.0	0.0754	0.125	3.5

(5 cores)

导线标称截面 Nom.cross sec.area of conductor	导体中单线根数 Single quantity of Conductor	绝缘厚度 Insu. thickness	护套厚度 Sheath thickness	电缆近似外径 Approx. dia of cable	电缆近似重量 Cable approx.weight		导线直流电阻 D.C.resisance		试验电压 Test voltage(ac)
					Cu	Al	20℃Cu	20℃Al	
mm²		mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	kv/5min
5×2.5	1	0.8	1.8	13.5	272.0	193.0	7.41	12.1	3.5
5×4	1	1.0	1.8	15.8	394.0	268.0	4.61	7.41	3.5
5×6	1	1.0	1.8	17.1	509.0	324.0	3.08	4.61	3.5
5×10	7	1.0	1.8	20.7	792.0	461.0	1.83	3.02	3.5
5×16	7	1.0	1.8	23.4	1124.0	608.0	1.15	1.91	3.5
5×25	7	1.2	1.8	28.0	1696.0	881.0	0.727	1.20	3.5
5×35	7	1.2	1.9	31.2	2241.0	1113.0	0.524	0.868	3.5
5×50	19	1.4	2.1	31.0	3158.0	1541.0	0.387	0.641	3.5
5×70	19	1.4	2.2	34.8	4236.0	1973.0	0.268	0.443	3.5
5×95	19	1.6	2.4	40.2	5685.0	2614.0	0.193	0.320	3.5
5×120	19	1.6	2.5	44.1	7662.0	3183.0	0.153	0.253	3.5
5×150	37	1.8	2.7	44.8	8743.0	3580.0	0.124	0.206	3.5
5×185	37	2.0	2.9	54.0	10801.0	4767.0	0.0991	0.164	3.5
5×240	37	2.2	3.1	61.0	13194.0	5461.0	0.0754	0.125	3.5

(3+1 cores)

导线标称截面 Nom.cross sec.area of conductor	导体中单线根数 Single quantity of Conductor		绝缘厚度 Insu. thickness		护套厚度 Sheath thickness	电缆近似外径 Approx. dia of cable	电缆近似重量 Cable approx. weight		导线直流电阻 D.C.resisance				试验电压 Test voltage(ac)
							Cu	Al	20℃Cu		20℃Al		
mm²	相线 Phase	副线 Redu	mm	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	Ω/km	Ω/km	kv/5min
3×4 +1×2.5	1	1	1.0	0.8	1.8	14.1	254.0	211.0	4.61	7.41	7.41	12.1	3.5
3×6 +1×4	1	1	1.0	1.0	1.8	15.5	400.0	265.0	3.08	4.61	4.61	7.41	3.5
3×10 +1×6	7	1	1.0	1.0	1.8	18.2	595.0	334.0	1.83	3.08	3.02	4.61	3.5
3×16 +1×10	7	7	1.0	1.0	1.8	20.8	853.0	467.0	1.15	1.83	1.91	3.02	3.5
3×25 +1×16	7	7	1.2	1.0	1.8	20.5	1267.0	671.0	0.727	1.15	1.20	1.91	3.5
3×35 +1×16	7	7	1.2	1.0	1.8	26.5	1591.0	806.0	0.524	1.15	0.868	1.91	3.5
3×50 +1×25	19	7	1.4	1.2	1.9	27.1	2124.0	996.0	0.387	0.727	0.641	1.20	3.5
3×70 +1×35	19	7	1.4	1.2	2.0	30.4	2851.0	1271.0	0.268	0.524	0.443	0.868	3.5
3×95 +1×50	19	19	1.6	1.4	2.2	35.1	3844.0	1684.0	0.193	0.387	0.320	0.641	3.5
3×120 +1×70	19	19	1.6	1.4	2.3	38.2	4833.0	2060.0	0.153	0.268	0.253	0.443	3.5
3×150 +1×70	37	19	1.8	1.4	2.4	42.1	5841.0	2488.0	0.124	0.268	0.206	0.443	3.5
3×185 +1×95	37	19	2.0	1.6	2.6	47.1	7246.0	3056.0	0.0991	0.193	0.164	0.32	3.5
3×240 +1×120	37	37	2.2	1.6	2.8	53.2	9216.0	3801.0	0.0754	0.153	0.125	0.253	3.5

(3+2 cores)

导线标称截面 Nom.cross sec.area of conductor	导体中单线根数 Single quantity of Conductor		绝缘厚度 Insu. thickness		护套厚度 Sheath thickness	电缆近似外径 Approx. dia of cable	电缆近似重量 Cable approx.weight		导线直流电阻 D.C.resisance				试验电压 Test voltage (ac)
							Cu	Al	20℃Cu		20℃Al		
mm²	相线 Phase	副线 Redu	mm	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	Ω/km	Ω/km	kv/5min
3×4 +2×2.5	1	1	1.0	0.8	1.8	14.4	345.0	238.0	4.61	7.41	7.41	12.1	3.5
3×6 +2×4	1	1	1.0	1.0	1.8	16.6	463.0	288.0	3.08	4.61	4.61	7.41	3.5
3×10 +2×6	7	1	1.0	1.0	1.8	19.3	680.0	407.0	1.83	3.08	3.02	4.61	3.5
3×16 +2×10	7	7	1.0	1.0	1.8	22.4	990.0	552.0	1.15	1.83	1.91	3.02	3.5
3×25 +2×16	7	7	1.2	1.0	1.8	26.3	1488.0	773.0	0.727	1.15	1.20	1.91	3.5
3×35 +2×16	7	7	1.2	1.0	1.8	28.2	1791.0	907.0	0.524	1.15	0.868	1.91	3.5
3×50 +2×25	19	7	1.4	1.2	2.0	30.8	2573.0	1284.0	0.387	0.727	0.641	1.20	3.5
3×70 +2×35	19	7	1.4	1.2	2.1	34.6	3464.0	1637.0	0.268	0.524	0.443	0.868	3.5
3×95 +2×50	19	19	1.6	1.4	2.3	40.0	4697.0	2207.0	0.193	0.387	0.320	0.641	3.5
3×120 +2×70	19	19	1.6	1.4	2.4	43.5	5935.0	2673.0	0.153	0.268	0.253	0.443	3.5
3×150 +2×70	37	19	1.8	1.4	2.5	48.4	5968.0	3153.0	0.124	0.268	0.206	0.443	3.5
3×185 +2×95	37	19	2.0	1.6	2.7	53.6	8554.0	3942.0	0.0991	0.193	0.164	0.32	3.5
3×240 +2×120	37	37	2.2	1.6	2.9	60.6	11184.0	4978.0	0.0754	0.153	0.125	0.253	3.5

(4+1 cores)

导线标称截面 Nom.cross sec.area of conductor	导体中单线根数 Single quantity of Conductor		绝缘厚度 Insu. thickness		护套厚度 Sheath thickness	电缆近似外径 Approx. dia of cable	电缆近似重量 Cable approx. weight		导线直流电阻 D.C.resisance				试验电压 Test voltage (ac)
							Cu	Al	20℃Cu		20℃Al		
mm²	相线 Phase	副线 Redu	mm	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	Ω/km	Ω/km	kv/5min
4×4 +1×2.5	1	1	1.0	0.8	1.8	15.4	358.0	251.0	4.61	7.41	7.41	12.1	3.5
4×6 +1×4	1	1	1.0	1.0	1.8	16.9	493.0	317.0	3.08	4.61	4.61	7.41	3.5
4×10 +1×6	7	1	1.0	1.0	1.8	20.0	733.0	347.0	1.83	3.08	3.02	4.61	3.5
4×16 +1×10	7	7	1.0	1.0	1.8	22.9	1118.0	588.0	1.15	1.83	1.91	3.02	3.5
4×25 +1×16	7	7	1.2	1.0	1.8	27.1	1662.0	527.0	0.727	1.15	1.20	1.91	3.5
4×35 +1×16	7	7	1.2	1.0	1.8	29.6	2046.0	1021.0	0.524	1.15	0.868	1.91	3.5
4×50 +1×25	19	7	1.4	1.2	2.0	30.8	2820.0	1395.0	0.387	0.727	0.641	1.20	3.5
4×70 +1×35	19	7	1.4	1.2	2.1	34.6	3782.0	1787.0	0.268	0.524	0.443	0.868	3.5
4×95 +1×50	19	19	1.6	1.4	2.3	40.0	5088.0	2365.0	0.193	0.387	0.320	0.641	3.5
4×120 +1×70	19	19	1.6	1.4	2.5	44.1	6394.0	2911.0	0.153	0.268	0.253	0.443	3.5
4×150 +1×70	37	19	1.8	1.4	2.6	48.6	7725.0	3482.0	0.124	0.268	0.206	0.443	3.5
4×185 +1×95	37	19	2.0	1.6	2.8	53.8	9894.0	4607.0	0.0991	0.193	0.164	0.32	3.5
4×240 +1×120	37	37	2.2	1.6	3.0	60.8	12306.0	5466.0	0.0754	0.153	0.125	0.253	3.5

0.6/1kv PVC绝缘钢带铠装PVC护套阻燃或非阻燃电力电缆
0.6/1kv PVCInsulated Steel Armoured PVC Sheathed Flame Retardant and Non-flame Retardant power Cable

(1 core)

导线标称截面 Nom.cross sec.area of conductor	导体中单线根数 Single quantity of Conductor		绝缘厚度 Insu. thickness	铝带厚度 Steel tape thickness	外护套厚度 Outer Sheath thickness	电缆近似外径 Approx. dia of cable	电缆近似重量 Cable approx. weight		导线直流电阻 D.C.resisance		试验电压 Test voltage(ac)
							Cu	Al	20℃Cu	20℃Al	
mm²	相线 Phase	副线 Redu	mm	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	kv/5min
1×10	7		1.0	2×0.5	1.4	13.6	348	265	1.83	3.02	3.5
1×16	7		1.0	2×0.5	1.4	14.6	432.0	331.0	1.15	1.91	3.5
1×25	7		1.2	2×0.5	1.4	16.4	574.0	415.0	0.727	1.20	3.5
1×35	7		1.2	2×0.5	1.5	17.5	699.0	478.0	0.524	0.868	3.5
1×50	19		1.4	2×0.5	1.5	19.3	870.0	569.0	0.387	0.641	3.5
1×70	19		1.4	2×0.5	1.6	21.1	1118.0	685.0	0.268	0.443	3.5
1×95	19		1.6	2×0.5	1.6	23.4	1444.0	844.0	0.193	0.320	3.5
1×120	37		1.6	2×0.5	1.7	25.0	1719.0	960.0	0.153	0.253	3.5
1×150	37		1.8	2×0.5	1.7	27.0	2046.0	113.0	0.124	0.206	3.5
1×185	37		2.0	2×0.5	1.8	30.7	2672.0	1503.0	0.0991	0.164	3.5
1×240	61		2.2	2×0.5	1.9	33.3	3353.0	1816.0	0.0754	0.125	3.5
1×300	61		2.4	2×0.5	2.0	36.4	4072.0	2145.0	0.0601	0.100	3.5
1×400	61		2.6	2×0.5	2.1	40.1	5033.0	2570.0	0.0470	0.0778	3.5
1×500	61		2.8	2×0.5	2.2	44.1	6277.0	3099.0	0.0366	0.0605	3.5
1×630	91		2.8	2×0.5	2.3	48.7	7746.0	3674.0	0.0283	0.0469	3.5

(2 cores)

导线标称截面 Nom.cross sec.area of conductor	导体中单线根数 Single quantity of Conductor	绝缘厚度 Insu. thickness	钢带厚度 Steel tape thickness	外护套厚度 Out Sheath thickness	电缆近似外径 Approx. dia of cable	电缆近似重量 Cable approx.weight		导线直流电阻℃ D.C resistance		试验电压 Test voltage (ac)
						Cu	Al	20℃Cu	20℃Al	
mm²		mm	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	kv/5min
2×4	1	1.0	2×0.2	1.8	14.6	210	160	4.61	7.41	3.5
2×6	1	1.0	2×0.2	1.8	15.6	264	192	3.08	4.61	3.5
2×10	7	1.0	2×0.2	1.8	18.2	393	242	1.83	3.02	3.5
2×16	7	1.0	2×0.2	1.8	20.3	541	334	1.15	1.91	3.5
2×25	7	1.2	2×0.2	1.8	23.7	794	469	0.27	1.20	3.5
2×35	7	1.2	2×0.2	1.8	25.9	1037	585	0.524	0.868	3.5
2×50	19	1.4	2×0.2	1.8	22.6	1227	610	0.387	0.641	3.5
2×70	19	1.4	2×0.2	1.9	25.0	1650	747	0.268	0.443	3.5
2×95	19	1.6	2×0.5	2.1	30.2	2213	988	0.193	0.320	3.5
2×120	19	1.6	2×0.5	2.2	33.6	2733	1186	0.153	0.253	3.5
2×150	37	1.8	2×0.5	2.4	35.6	3396	1462	0.124	0.206	3.5
2×185	37	2.0	2×0.5	2.5	38.8	4112	1726	0.0991	0.164	3.5

(3 cores)

导线标称截面 Nom.cross sec.area of conductor	导体中单线根数 Single quantity of Conductor	绝缘厚度 Insu. thickness	钢带厚度 Steel tape thickness	外护套厚度 Out Sheath thickness	电缆近似外径 Approx. dia of cable	电缆近似重量 Cable approx.weight		导线直流电阻℃ D.C resistance		试验电压 Test voltage (ac)
						Cu	Al	20℃Cu	20℃Al	
mm²		mm	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	kv/5min
3×4	1	1.0	2×0.2	1.8	15.3	489	414	4.61	7.41	3.5
3×6	1	1.0	2×0.2	1.8	16.4	577	472	3.08	4.61	3.5
3×10	7	1.0	2×0.2	1.8	19.2	800	559	1.83	3.02	3.5
3×16	7	1.0	2×0.2	1.8	21.4	1050	740	1.15	1.91	3.5
3×25	7	1.2	2×0.2	1.8	25.0	1485	976	0.727	1.20	3.5
3×35	7	1.2	2×0.2	1.8	27.4	2149	1372	0.524	0.868	3.5
3×50	19	1.4	2×0.2	1.9	26.4	2453	1486	0.387	0.641	3.5
3×70	19	1.4	2×0.2	2.0	29.3	3116	1763	0.268	0.443	3.5
3×95	19	1.6	2×0.5	2.2	35.4	4053	2216	0.193	0.320	3.5
3×120	19	1.6	2×0.5	2.3	38.1	4930	2609	0.153	0.253	3.5
3×150	37	1.8	2×0.5	2.5	41.8	6075	3174	0.124	0.206	3.5
3×185	37	2.0	2×0.5	2.6	46.1	7299	3721	0.0991	0.164	3.5
3×240	37	2.2	2×0.5	2.8	51.6	9213	4590	0.0754	0.125	3.5
3×300	37	2.4	2×0.5	3.0	56.5	11185	5438	0.0601	0.100	3.5

(4 cores)

导线标称截面 Nom.cross sec.area of conductor	导体中单线根数 Single quantity of Conductor	绝缘厚度 Insu. thickness	钢带厚度 Steel tape thickness	外护套厚度 Out Sheath thickness	电缆近似外径 Approx. dia of cable	电缆近似重量 Cable approx.weight		导线直流电阻℃ D.C resistance		试验电压 Test voltage (ac)
						Cu	Al	20℃Cu	20℃Al	
mm²		mm	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	kv/5min
4×4	1	1.0	2×0.2	1.8	16.4	565	464	4.61	7.41	3.5
4×6	1	1.0	2×0.2	1.8	17.6	685	533	3.08	4.61	3.5
4×10	7	1.0	2×0.2	1.8	20.7	960	699	1.83	3.02	3.5
4×16	7	1.0	2×0.2	1.8	23.2	1273	851	1.15	1.91	3.5
4×25	7	1.2	2×0.2	1.8	27.3	1998	1347	0.27	1.20	3.5
4×35	7	1.2	2×0.2	1.9	30.2	2505	1602	0.524	0.868	3.5
4×50	19	1.4	2×0.2	2.0	29.7	3122	1832	0.387	0.641	3.5
4×70	19	1.4	2×0.2	2.2	35.1	4025	2220	0.268	0.443	3.5
4×95	19	1.6	2×0.5	2.3	39.9	5291	2842	0.193	0.320	3.5
4×120	19	1.6	2×0.5	2.5	43.1	6484	3370	0.153	0.253	3.5
4×150	37	1.8	2×0.5	2.6	47.5	7866	3998	0.124	0.206	3.5
4×185	37	2.0	2×0.5	2.8	52.2	9542	4772	0.0991	0.164	3.5
4×240	37	2.2	2×0.5	3.0	58.5	11916	5727	0.0754	0.125	3.5

(5 cores)

导线标称截面 Nom.cross sec.area of conductor	导体中单线根数 Single quantity of Conductor	绝缘厚度 Insu. thickness	钢带厚度 Steel tape thickness	外护套厚度 Out Sheath thick	电缆近似外径 Approx. dia of cable	电缆近似重量 Cable approx.weight		导线直流电阻℃ D.C resistance		试验电压 Test voltage (ac)
						Cu	Al	20℃Cu	20℃Al	
mm²		mm	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	kv/5min
5×2.5	1	0.8	2×0.2	1.8	15.3	488	409	7.41	12.1	3.5
5×4	1	1.0	2×0.2	1.8	17.6	644	518	4.61	7.41	3.5
4×6	1	1.0	2×0.2	1.8	18.9	790	605	3.08	4.61	3.5
5×10	7	1.0	2×0.2	1.8	22.5	1110	779	1.83	3.02	3.5
5×16	7	1.0	2×0.2	1.8	25.2	1485	970	1.15	1.91	3.5
5×25	7	1.2	2×0.2	1.8	29.8	2339	1525	0.727	1.20	3.5
5×35	7	1.2	2×0.2	2.0	33.2	2953	1822	0.524	0.868	3.5
5×50	19	1.4	2×0.5	2.2	34.8	3975	2392	0.387	0.641	3.5
5×70	19	1.4	2×0.5	2.3	38.6	5125	2909	0.268	0.443	3.5
5×95	19	1.6	2×0.5	2.5	44.0	6798	3790	0.193	0.320	3.5
5×120	19	1.6	2×0.5	2.6	47.9	8217	4418	0.153	0.253	3.5
5×150	37	1.8	2×0.5	2.8	52.6	10030	5280	0.124	0.206	3.5
5×185	37	2.0	2×0.5	3.0	57.8	12275	6418	0.0991	0.164	3.5
5×240	37	2.2	2×0.5	3.2	67.8	15077	7343	0.0754	0.125	3.5

(3+1 cores)

导线标称截面 Nom.cross sec.area of conductor	导体中单线根数 Single quantity of Conductor		绝缘厚度 Insu. thickness		钢带厚度 Steel tape thickness	外护套厚度 Out Sheath thickness	电缆近似外径 Approx. dia of cable	电缆近似重量 Cable approx. weight		导线直流电阻 D.C resistance				试验电压 Test voltage (ac)
								Cu	Al	20℃Cu		20℃Al		
mm²	mm		mm		mm	mm	mm	kg/km	kg/km	Ω/km		Ω/km		kv/5min
3×4+1×2.5	1	1	1.0	0.8	2×0.2	1.8	15.9	536.0	446.0	4.61	7.41	7.41	12.1	3.5
3×6+1×4	1	1	1.0	1.0	2×0.2	1.8	17.3	657.0	524.0	3.08	4.61	4.61	7.41	3.5
3×10+1×6	1	1	1.0	1.0	2×0.2	1.8	20.0	894.0	619.0	1.83	3.08	3.02	4.61	3.5
3×16+1×10	7	7	1.0	1.0	2×0.2	1.8	22.6	1194.0	804.0	1.15	1.83	1.91	3.02	3.5
3×25+1×16	7	7	1.2	1.0	2×0.2	1.8	26.3	1668.0	1072.0	0.727	1.15	1.20	1.91	3.5
3×35+1×16	7	7	1.2	1.0	2×0.2	1.8	28.3	2243.0	1458.0	0.524	1.15	0.868	1.91	3.5
3×50+1×25	19	7	1.4	1.2	2×0.2	1.9	28.9	2852.0	1723.0	0.387	0.727	0.641	1.20	3.5
3×70+1×35	19	7	1.4	1.2	2×0.2	2.1	32.4	3657.0	2077.0	0.268	0.524	0.443	0.868	3.5
3×95+1×50	19	19	1.6	1.4	2×0.5	2.3	38.9	4796.0	2636.0	0.193	0.387	0.320	0.641	3.5
3×120+1×70	19	19	1.6	1.4	2×0.5	2.4	42.0	5912.0	3139.0	0.153	0.268	0.253	0.443	3.5
3×150+1×70	37	19	1.8	1.4	2×0.5	2.5	45.9	7025.0	3873.0	0.124	0.268	0.206	0.443	3.5
3×185+1×95	37	19	2.0	1.6	2×0.5	2.7	50.9	8598.0	4408.0	0.0991	0.1930	0.164	0.320	3.5
3×240+1×120	37	37	2.2	1.6	2×0.5	2.9	57.0	10631.0	5216.0	0.0754	0.1530	0.125	0.253	3.5
3×240+1×150	37	37	2.4	1.8	2×0.5	3.1	62.5	12813.0	6145.0	0.0601	0.1240	0.100	0.206	3.5

(3+2 cores)

导线标称截面 Nom.cross sec.area of conductor	导体中单线根数 Single quantity of Conductor		绝缘厚度 Insu. thickness		钢带厚度 Steel tape thickness	外护套厚度 Out Sheath thickness	电缆近似外径 Approx. dia of cable	电缆近似重量 Cable approx. weight		导线直流电阻 D.C resistance				试验电压 Test voltage (ac)
								Cu	Al	20℃Cu		20℃Al		
mm²	mm		mm		mm	mm	mm	kg/km	kg/km	Ω/km		Ω/km		kv/5min
3×4+1×2.5	1	1	1.0	0.8	2×0.2	1.8	16.7	580	491	4.61	7.41	7.41	12.1	3.5
3×6+1×4	1	1	1.0	1.0	2×0.2	1.8	18.4	728	570	3.08	4.61	4.61	7.41	3.5
3×10+1×6	7	1	1.0	1.0	2×0.2	1.8	21.2	973	702	1.83	3.08	3.02	4.61	3.5
3×16+1×10	7	7	1.0	1.0	2×0.2	1.8	24.2	1323	853	1.15	1.83	1.91	3.02	3.5
3×25+1×16	7	7	1.2	1.0	2×0.2	1.8	28.1	2053	1287	0.727	1.15	1.20	1.91	3.5
3×35+1×16	7	7	1.2	1.0	2×0.2	1.9	30.2	2406	1402	0.524	1.15	0.868	1.91	3.5
3×50+1×25	19	7	1.4	1.2	2×0.2	2.0	32.6	3371	2080	0.387	0.727	0.641	1.20	3.5
3×70+1×35	19	7	1.4	1.2	2×0.2	2.2	38.4	4350	2542	0.268	0.524	0.443	0.868	3.5
3×95+1×50	19	19	1.6	1.4	2×0.5	2.4	43.8	5736	2348	0.193	0.387	0.320	0.641	3.5
3×120+1×70	19	19	1.6	1.4	2×0.5	2.5	47.3	7126	3897	0.153	0.268	0.253	0.443	3.5
3×150+1×70	37	19	1.8	1.4	2×0.5	2.6	52.2	8249	4438	0.124	0.268	0.206	0.443	3.5
3×185+1×95	37	19	2.0	1.6	2×0.5	2.8	57.4	10254	5441	0.0991	0.1930	0.164	0.320	3.5
3×240+1×120	37	37	2.2	1.6	2×0.5	3.0	64.4	12888	6689	0.0754	0.1530	0.125	0.253	3.5

(4+1 cores)

导线标称截面 Nom.cross sec.area of conductor	导体中单线根数 Single quantity of Conductor		绝缘厚度 Insu. thickness		钢带厚度 Steel tape thickness	外护套厚度 Out Sheath thickness	电缆近似外径 Approx. dia of cable	电缆近似重量 Cable approx. weight		导线直流电阻 D.C resistance				试验电压 Test voltage (ac)
								Cu	Al	20℃Cu		20℃Al		
mm²	相线 phase	副线 Redu	mm		mm	mm	mm	kg/km	kg/km	Ω/km		Ω/km		kv/5min
4×4 +1×2.5	1	1	1.0	0.8	2×0.2	1.8	17.2	605	498	4.61	7.41	7.41	12.1	3.5
4×6 +1×4	1	1	1.0	1.0	2×0.2	1.8	18.7	765	589	3.08	4.61	4.61	7.41	3.5
4×10 +1×6	7	1	1.0	1.0	2×0.2	1.8	27.8	152	756	1.83	3.08	3.02	4.61	3.5
4×16 +1×10	7	7	1.0	1.0	2×0.2	1.8	24.7	1482	952	1.15	1.83	1.91	3.02	3.5
4×25 +1×16	7	7	1.2	1.0	2×0.2	1.8	28.9	2312	1477	0.727	1.15	1.20	1.91	3.5
4×35 +1×16	7	7	1.2	1.0	2×0.2	1.9	31.6	2756	1731	0.524	1.15	0.868	1.91	3.5
4×50 +1×25	19	7	1.4	1.2	2×0.2	2.1	32.8	3680	1827	0.387	0.727	0.641	1.20	3.5
4×70 +1×35	19	7	1.4	1.2	2×0.5	2.3	38.6	4768	2734	0.268	0.524	0.443	0.868	3.5
4×95 +1×50	19	19	1.6	1.4	2×0.5	2.4	43.8	6267	3491	0.193	0.387	0.320	0.641	3.5
4×120 +1×70	19	19	1.6	1.4	2×0.5	2.6	47.9	7698	4145	0.153	0.268	0.253	0.443	3.5
4×150 +1×70	37	19	1.8	1.4	2×0.5	2.7	52.4	9216	4882	0.124	0.268	0.206	0.443	3.5
4×185 +1×95	37	19	2.0	1.6	2×0.5	2.9	57.6	11293	5899	0.0991	0.1930	0.164	0.320	3.5
4×240 +1×120	37	37	2.2	1.6	2×0.5	3.1	64.6	14371	7395	0.0754	0.1530	0.125	0.253	3.5

电缆运行敷设条件

电缆敷设

1、敷设时电缆温度不低于0℃，环境温度低于0℃时，应对电缆进行预热。

2、敷设的弯曲半径不小于电缆外径的8倍。

3、电缆敷设后，应经受直流耐压试验，时间15分，试验电压3.5kv。

在空气中敷设

1、单芯电缆平行敷设时中心距离：185mm²及以下为电缆直径的2倍240mm²及以上为90mm²。

2、周围环境温度：30℃

3、导电线芯最高允许温度:70℃

4、不同环境温度下载流量的校正系数：

环境温度	20℃	25℃	35℃	40℃	45℃
校正系数	1.12	1.06	0.94	0.87	0.79

直埋敷设

1、单芯电缆不接触敷设时，中心距离为电缆直径的2倍。

2、周围环境温度：25℃。

3、导电线芯最高允许温度：70℃

4、土壤热阻系数：1.0℃.m/w

5、直埋深试：0.7m

6、不同环境温度下载流量校正系数：

环境温度	15℃	20℃	30℃	35℃
校正系数	1.11	1.05	0.94	0.88

短路容量

导电线芯短路允许最高温度	最高允许的短路电流
130℃	I=94S√1A

Installation

1.The installation temperature should not over 20℃,If the ambient temperature is lower than 0℃,the cable should be preheated.

2.The bending radius of cable shoud not less than 8 times

3.After installantion,the cable should withstand voltage test for 15min.3.5kv d.c.

In air

1.As the single core cable laying in parallel,the distance between the cable's center is 2 times,（for cables,which cross sectional area of conductors≤ 185mm²)and 90mm(for cables,which cross sectional area of conducors≤ 240mm²)

2.Ambient temperature:30℃

3.Max.temperature of conductor:70℃

4.Rating factors of current rating for ambient temperature:

Air temperature	20℃	25℃	35℃	40℃	45℃
Rating factors	1.12	1.06	0.94	0.87	0.79

Direct in ground

1.When the single core cables are installed separately,the distance between the cable's center is 2 times of the cable diameter.

2.Ambient temperature:25℃.

3.Max.temperature of conductor:70℃.

4.Soil thermour resistivity:1.0℃.m/w.

5.Depth:0.7m.

6.Rating factors under different ambient temp.:

Air temperature	15℃	20℃	30℃	35℃
Rating factors	1.11	1.05	0.94	0.88

Short ciruit ratings

Max.temperature at short circuit	Max.t short circuit rating
130℃	I=94S√1A

载流量Rating Factors

0.6/1kv 铜导体PVC 绝缘PVC护套阻燃和非阻燃电力电缆在空气中敷设长期连续负荷允许载流量

0.6/1kv Copper Conductor PVC Insulated PVC sheathed Flame Retardant & Non-flame Retardant Power Cable Installed in Air for Long Term Continuously Load

导线标称截面 Nom.cross sec.area of conductor	长期连续负荷允许载流量 Current rating(A)												
	无铠装Unarmoured						铠装Armoured						
	单芯Singl core			双芯 2 croes	三芯 3 croes	五芯 5 croes	单芯Singl core			双芯 2 croes	三芯 3 croes	五芯 5 croes	
	2根 2 lendthes	3根3 lendthes			四芯 4 croes	(4+1)芯 (4+1) Croes	2根 2 lendthes	3根 3 lendthes			四芯 4 croes	(4+1)芯 (4+1) Croes	
	OO	品	OOO		(3+1)芯 (3+1) Croes	(3+2)芯 (3+2) Croes	OO	品	OOO		(3+1)芯 (3+1) Croes	(3+2)芯 (3+2) Croes	
1.5	28	23	26	20	-	-	28	23	26	-	-	-	
2.5	36	30	33	26	-	-	36	30	33	-	-	-	
4	47	39	44	37	30	31	46	39	44	38	31	32	
6	60	49	56	44	37	38	60	49	56	45	38	39	
10	83	68	77	61	53	54	83	68	77	62	54	55	
16	109	89	101	82	69	70	109	89	101	84	70	71	
25	138	113	128	104	89	91	138	113	128	106	91	91	
35	173	142	161	127	109	111	173	142	161	130	111	112	
50	207	170	193	155	132	135	207	170	193	158	135	137	
70	264	216	246	190	167	170	264	216	246	194	170	173	
95	322	264	299	242	213	217	322	264	299	247	217	221	
120	374	307	348	282	242	247	374	307	348	288	246	250	
150	431	353	401	322	282	288	431	353	401	328	287	290	
185	495	406	460	368	322	328	495	406	460	375	327	330	
240	587	481	546	-	385	393	587	481	546	-	392	398	
300	673	552	626	-	431	440	673	552	626	-	439	445	
400	794	652	738	-	-	-	794	652	738	-	-	-	
500	920	754	856	-	-	-	920	754	856	-	-	-	
630	1058	868	984	-	-	-	1058	868	984	-	-	-	
800	1219	1001	1134	-	-	-	1219	1001	1134	-	-	-	

0.6/1kv 铝导体PVC 绝缘PVC护套阻燃和非阻燃电力电缆在空气中敷设长期连续负荷允许载流量

0.6/1kv Aluminum Conductor PVC Insulated PVC Sheathed Flame Retardant & Non-flame Retardant Power Cable Installed in Air for Long Term Continuously Load

导线标称截面 Nom.cross sec.area of conductor mm²	851长期连续负荷允许载流量 Current rating(A)												
	无铠装Unarmoured						铠装Armoured						
	单芯Singl core			双芯 2 croes	三芯 3 croes	五芯 5 croes	单芯Singl core			双芯 2 croes	三芯 3 croes	五芯 5 croes	
	2根 2 lendthes	3根3 lendthes			四芯 4 croes	(4+1)芯 (4+1) Croes	2根 2 Lendthes	3根3lendthes			四芯 4 croes	(4+1)芯 (4+1) Croes	
	OO	品	OOO		(3+1)芯 (3+1) Croes	(3+2)芯 (3+2) Croes	OO	品	OOO		(3+1)芯 (3+1) Croes	(3+2)芯 (3+2) Croes	
2.5	28	23	26	21	17	17	28	23	26	-	-	-	
4	36	30	34	28	23	23	37	30	34	28	23	23	
6	47	40	45	37	30	31	48	40	45	37	30	31	
10	60	52	59	48	40	41	63	52	59	48	40	41	
16	84	69	78	63	54	55	84	69	78	63	54	55	
25	110	90	102	81	69	70	110	90	102	81	69	70	
35	132	108	123	99	85	87	132	108	123	99	85	87	
50	161	132	150	121	104	106	161	132	150	121	104	106	
70	201	165	187	150	132	135	201	165	187	150	132	135	
95	247	203	230	190	161	164	247	203	230	190	161	164	
120	288	236	268	219	190	194	288	236	268	219	190	194	
150	334	274	311	247	219	223	334	274	311	247	219	223	
185	385	316	358	288	247	252	385	316	358	288	247	252	
240	454	372	422	-	299	305	454	372	422	-	299	305	
300	523	429	486	-	339	346	523	429	486	-	339	346	
400	621	509	578	-	-	-	621	509	578	-	-	-	
500	725	595	674	-	-	-	725	595	674	-	-	-	
630	851	698	791	-	-	-	851	698	791	-	-	-	
800	989	811	920	-	-	-	989	811	920	-	-	-	

0.6/1kv铜导体PVC绝缘PVC护套阻燃和非阻燃电力电缆在直埋敷设长期连续负荷允许载流量
0.6/1kv Copper Coductor PVC Insulated PVC Sheathed Flame Retardant & Non-flame Retardant Power Cable Installed Direct in Ground for Long Term Continuously Load

导线标称截面 Nom.cross sec.area of conductor mm²	长期连续负荷允许载流量 Current rating(A)											
	无铠装 Unarmoured						铠装 Armoured					
	单芯Singl core			双芯 2 croes	三芯 3 croes	五芯 5 croes	单芯Singl core			双芯 2 croes	三芯 3 croes	五芯 5 croes
	2根 2 lendthes	3根3 lendthes			四芯 4 croes	(4+1)芯 (4+1) Cres	2根 2 lendthes	3根 3 lendthes			四芯 4 croes	(4+1)芯 (4+1) Cres
	oo	o oo	ooo		(3+1)芯 (3+1) Croes	(3+2)芯 (3+2) Croes	oo	o oo	ooo		(3+1)芯 (3+1) Croes	(3+2)芯 (3+2) Croes
1.5	29	24	27	26	22	22	29	24	27	26	22	22
2.5	38	31	35	34	29	30	38	31	35	34	29	30
4	49	40	46	44	38	39	49	40	46	44	38	39
6	61	50	57	56	47	48	61	50	57	56	47	48
10	83	68	77	76	65	66	83	68	77	76	65	66
16	105	86	98	100	84	86	105	86	98	100	84	86
25	135	111	126	125	110	112	135	111	126	125	110	112
35	160	131	149	155	130	133	160	131	149	155	130	133
50	195	160	181	185	155	158	195	160	181	185	155	158
70	240	197	223	230	192	199	240	197	223	230	195	199
95	285	234	265	275	230	235	285	234	265	275	230	235
120	325	267	302	310	260	265	325	267	302	310	260	265
150	365	299	339	350	300	306	365	299	339	350	300	306
185	415	340	386	395	335	341	415	340	386	395	335	341
240	480	394	446	-	390	398	480	394	446	-	390	398
300	545	447	507	-	435	444	545	447	507	-	435	444
400	625	513	581	-	-	-	625	513	581	-	-	-
500	710	582	660	-	-	-	710	582	660	-	-	-
630	810	664	753	-	-	-	810	664	753	-	-	-
800	910	746	846	-	-	-	910	746	846	-	-	-

载流量Rating Factors
0.6/1kv铝导体PVC绝缘PVC护套阻燃和非阻燃电力电缆在直埋敷设长期连续负荷允许载流量
0.6/1kv Aluminum Coductor PVC Sheathed Flame Retardant & Non-flame Retardant Power Cable Installed Direct in Ground for Long Term Continuously Load

导线标称截面 Nom. cross sec. area of conductor mm²	长期连续负荷允许载流量 Current rating(A)											
	无铠装 Unarmoured						铠装 Armoured					
	单芯Singl core			双芯 2 croes	三芯 3 croes	五芯 5 croes	单芯Singl core			双芯 2 croes	三芯 3 croes	五芯 5 croes
	2根 2 lendthes	3根3 lendthes			四芯 4 croes	(4+1)芯 (4+1) Cres	2根 2 lendthes	3根3lendthes			四芯 4 croes	(4+1)芯 (4+1) Cres
	oo	o oo	ooo		(3+1)芯 (3+1) Croes	(3+2)芯 (3+2) Croes	oo	o oo	ooo		(3+1)芯 (3+1) Croes	(3+2)芯 (3+2) Croes
2.5	30	25	28	26	23	23	30	25	28	26	23	23
4	39	32	36	35	30	31	39	32	36	35	30	31
6	50	41	47	45	39	40	50	41	47	45	39	40
10	64	52	60	59	50	51	64	52	60	59	50	51
16	83	68	77	77	65	66	83	68	77	77	65	66
25	105	86	98	100	84	85	105	86	98	100	84	85
35	125	103	116	120	100	102	125	103	116	120	100	102
50	150	123	140	145	120	122	150	123	140	145	120	122
70	185	152	172	175	150	153	185	152	172	175	150	153
95	220	180	205	210	185	189	220	180	205	210	185	189
120	250	205	233	245	205	209	250	205	233	245	205	209
150	285	234	265	275	230	235	285	234	265	275	230	235
185	320	262	298	310	260	265	320	262	298	310	260	265
240	375	308	349	-	300	306	375	308	349	-	300	306
300	425	349	395	-	340	347	425	349	395	-	340	347
400	490	402	456	-	-	-	490	402	456	-	-	-
500	560	459	521	-	-	-	560	459	521	-	-	-
630	645	529	560	-	-	-	645	529	560	-	-	-
800	735	603	684	-	-	-	735	603	684	-	-	-

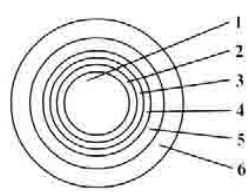
1、标准 Standard
本产品按国际电工委员会IEC502-1983制造。
This product adopts the standard of IEC502-1983.
耐火特性符合国际电工委员会标准IEC331-1970的规定。
Fire proofing accords to the standard of IEC331-1970.

2、适用范围Scope of application
本产品适用于在火灾中要求电缆在着火情况下仍能保持一定时间继续运行的固定敷设，额定电压0.6/1kv的电力传输和电力分配线路。
This product is applied in fixed laying which can keep operating for a certain time in fire. It is suitable for power transmission and distribution line with rated voltage 0.6/1kv

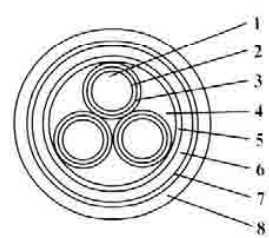
3、型号和规格Type & spectification
电缆型号如表Type of cable

型 号 Type	名 称 Description
NH-VV	聚氯乙烯绝缘和护套火电力电缆 PVC insulated & sheathed fire-proof electric power cable
NH-VV$_{22}$	聚氯乙烯绝缘和护套带铠装耐火电力电缆 PVC insulated and steel tape armoured fire-proof electric power cable

注：单芯用于交流系统，采用铝带铠装
Remarks:Single core cables are used in alternating system, adopting aluminium tape armour



1-导体 conductor
2-耐火层 fire-proof layer
3-绝缘 insulation
4-内护层 inner sheath layer
5-铠装 armour
6-外护层 outer sheath layer



1-导体 conductor
2-耐火层 fire-proof layer
3-绝缘 insulation
4-填充 fillings
5-包带 wraping tape
6-内护层 inner sheath layer
7-铠装 armour
8-外护层 out sheath layer

电缆规格如表2 Cable specification table2

型号 Type	芯数 number of core(s)	导电线芯标称截面（mm^2） Nominal section of the coductor(mm^2)
NH-VV	1	1.5~300 10~185
NH-VV$_{22}$		
NH-VV	2	1.5~300
NH-VV$_{22}$		4~185
NH-VV	3	1.5~240 2.5~240
NH-VV$_{22}$		
NH-VV	4	2.5~240 2.5~150
NH-VV$_{22}$		
NH-VV	3+1	4~240 4~240
NH-VV$_{22}$		
NH-VV	5	2.5~120 2.5~120
NH-VV$_{22}$		

3+1芯电缆中性线芯的截面应符合表3规定
Section of 3+1 neuter cores cable should accord to the stipulations in table 3

标称截面（mm^2） Nominal section		标称截面(mm^2) Nominal section	
主线芯 Main core	中性线芯 Neuter core	主线芯 Main core	中性线芯 Neuter core
4	2.5	70	35
6	4	95	50
10	6	120	70
16	10	150	70
25	16	185	95
35	16	240	120
50	25		

单芯聚氯乙烯绝缘和护套耐火电力电缆
Sigle core PVC insulated & sheathed fire-proof electric power cable

导体标称截面 Nom.cross sec.area of conductor	绝缘厚度 Insu. thickness	外护层厚度 Outer sheath thickness	电缆外径（近似） Cable outer dia. (approx.)	电缆重量（近似） Cable weight. (approx.)	导体最大直流电阻 Max D.C. resistance	试验电压 Test voltage	最小绝缘电阻 Min insu. resistance	电缆载流量（A） current rating	
								土壤敷设 Underground laying	空气敷设 Air laying
mm^2	mm	mm	mm	kg/km	20℃, Ω/km	KV	mΩ.km		
1.5	0.8	1.4	7.7	89	12.1	3.5	0.00673	36.0	24.7
2.5	0.8	1.4	8.1	104	7.41	3.5	0.00611	47.7	32.7
4	1.0	1.4	8.9	134	4.61	3.5	0.00664	62.2	43.5
6	1.0	1.4	9.4	159	3.08	3.5	0.00602	78.6	55.1
10	1.0	1.4	10.5	215	1.83	3.5	0.00487	108.3	77.2
16	1.0	1.4	11.5	284	1.15	3.5	0.00422	141.8	102.7
25	1.2	1.4	13.1	395	0.727	3.5	0.00431	183.6	136.7
35	1.2	1.4	14.1	504	0.524	3.5	0.00381	222.7	164.3
50	1.4	1.4	15.8	670	0.387	3.5	0.00396	263.7	199.2
70	1.4	1.4	17.5	871	0.268	3.5	0.00354	325.0	250.1
95	1.6	1.5	19.7	1142	0.193	3.5	0.00351	391.7	302.0
120	1.6	1.5	21.1	1395	0.153	3.5	0.00316	449.8	353.9
150	1.8	1.6	23.3	1714	0.124	3.5	0.00323	505.5	407.2
185	2.0	1.7	25.5	2083	0.0991	3.5	0.00324	573.4	462.7
240	2.2	1.8	28.3	2657	0.0754	3.5	0.00316	667.2	554.4

二芯聚氯乙烯绝缘和护套耐火电力电缆
2 cores PVC insulated and sheathed fire-proof electric power cable

导体标称截面 Nom.cross sec.area of conductor	绝缘厚度 Insu. thickness	外护层厚度 Outer sheath thickness	电缆外径（近似） Cable outer dia. (approx.)	电缆重量（近似） Cable weight. (approx.)	导体最大直流电阻 Max D.C. resistance	试验电压 Test voltage	最小绝缘电阻 Min insu. resistance	电缆载流量（A） current rating	
								土壤敷设 Underground laying	空气敷设 Air laying
mm^2	mm	mm	mm	kg/km	20℃, Ω/km	KV	mΩ.km		
1.5	0.8	1.8	14.2	195	12.1	3.5	0.00673	26.6	20.6
2.5	0.8	1.8	15.0	233	7.41	3.5	0.00611	35.0	26.8
4	1.0	1.8	16.7	300	4.61	3.5	0.00664	44.9	35.2
6	1.0	1.8	17.7	361	3.08	3.5	0.00602	56.1	44.3
10	1.0	1.8	19.8	488	1.83	3.5	0.00487	75.0	59.6
16	1.0	1.8	21.8	652	1.15	3.5	0.00422	95.6	77.4
25	1.2	1.8	25.0	906	0.727	3.5	0.00431	121.5	99.4
35	1.2	1.8	27.0	1162	0.524	3.5	0.00381	142.9	119.1
50	1.4	1.8	30.4	1550	0.387	3.5	0.00396	167.6	140.4
70	1.4	1.9	34.0	2014	0.268	3.5	0.00354	200.1	168.7
95	1.6	2.0	38.2	2643	0.193	3.5	0.00351	238.7	203.5
120	1.6	2.1	41.2	3247	0.153	3.5	0.00316	262.3	227.0
150	1.8	2.2	45.4	4003	0.124	3.5	0.00323	292.8	255.9
185	2.0	2.4	49.8	4874	0.0991	3.5	0.00324	328.1	289.4

三芯聚氯乙烯绝缘和护套耐火电力电缆
3 cores PVC insulated and sheathed fire-proof electric power cable

导体标称截面 Nom.cross sec.area of conductor	绝缘厚度 Insu. thickness	外护层厚度 Outer sheath thickness	电缆外径（近似） Cable outer dia. (approx.)	电缆重量（近似） Cable weight. (approx.)	导体最大直流电阻 Max D.C. resistance	试验电压 Test voltage	最小绝缘电阻 Min insu. resistance	电缆载流量（A） current rating	
								土壤敷设 Underground laying	空气敷设 Air laying
mm^2	mm	mm	mm	kg/km	20℃, Ω/km	KV	mΩ.km		
1.5	0.8	1.8	15.0	233	12.1	3.5	0.00673	22.8	17.4
2.5	0.8	1.8	15.8	276	7.41	3.5	0.00611	30.0	23.1
4	1.0	1.8	17.6	368	4.61	3.5	0.00664	38.5	30.3
6	1.0	1.8	18.7	443	3.08	3.5	0.00602	48.3	38.4
10	1.0	1.8	21.0	625	1.83	3.5	0.00487	65.5	52.3
16	1.0	1.8	23.2	840	1.15	3.5	0.00422	84.8	69.1
25	1.2	1.8	26.6	1190	0.727	3.5	0.00431	108.2	89.3
35	1.2	1.8	28.8	1546	0.524	3.5	0.00381	129.6	107.4
50	1.4	1.8	34.2	2083	0.387	3.5	0.00396	151.9	128.8
70	1.4	2.0	36.5	2752	0.268	3.5	0.00354	184.9	158.1
95	1.6	2.1	41.0	3642	0.193	3.5	0.00351	220.2	191.7
120	1.6	2.2	44.2	4474	0.153	3.5	0.00316	250.2	220.5
150	1.8	2.3	48.7	5528	0.124	3.5	0.00323	279.0	249.3
185	2.0	2.5	53.8	6788	0.0991	3.5	0.00324	313.1	283.7
240	2.2	2.7	59.8	8652	0.0754	3.5	0.00316	360.1	331.6

四芯聚氯乙烯绝缘和护套耐火电力电缆
4 cores PVC insulated and sheathed fire-proof electric power cable

导体标称截面 Nom.cross sec.area of conductor	绝缘厚度 Insu. thickness	外护层厚度 Outer sheath thickness	电缆外径（近似） Cable outer dia. (approx.)	电缆重量（近似） Cable weight. (approx.)	导体最大直流电阻 Max D.C. resistance	试验电压 Test voltage	最小绝缘电阻 Min insu. resistance	电缆载流量（A） current rating	
								土壤敷设 Underground laying	空气敷设 Air laying
mm^2	mm	mm	mm	kg/km	20℃, Ω/km	KV	mΩ.km		
2.5	0.8	1.8	17.1	336	7.41	3.5	0.00611	30.3	23.7
4	1.0	1.8	19.2	446	4.61	3.5	0.00664	38.9	30.5
6	1.0	1.8	20.4	558	3.08	3.5	0.00602	48.7	38.7
10	1.0	1.8	23.0	784	1.83	3.5	0.00487	66.1	53.9
16	1.0	1.8	25.5	1051	1.15	3.5	0.00422	85.5	69.0
25	1.2	1.8	29.3	1528	0.727	3.5	0.00431	109.0	90.4
35	1.2	1.8	31.7	1986	0.524	3.5	0.00381	130.6	110.6
50	1.4	1.9	36.0	2711	0.387	3.5	0.00396	152.6	131.0
70	1.4	2.1	40.5	3573	0.268	3.5	0.00354	186.3	161.4
95	1.6	2.2	45.6	4750	0.193	3.5	0.00351	221.8	196.1
120	1.6	2.4	49.3	5836	0.153	3.5	0.00316	252.1	225.8
150	1.8	2.5	54.8	7236	0.124	3.5	0.00323	281.0	255.1
185	2.0	2.7	60.0	8848	0.0991	3.5	0.00324	315.7	290.5
240	2.2	2.9	66.7	11305	0.0754	3.5	0.00316	363.1	338.8

五芯聚氯乙烯绝缘和护套耐火电力电缆
5 cores PVC insulated and sheathed fire-proof electric power cable

导体标称截面 Nom.cross sec.area of conductor	绝缘厚度 Insu. thickness	外护层厚度 Outer sheath thickness	电缆外径（近似） Cable outer dia. (approx.)	电缆重量（近似） Cable weight. (approx.)	导体最大直流电阻 Max D.C. resistance	试验电压 Test voltage	最小绝缘电阻 Min insu. resistance	电缆载流量（A） current rating	
								土壤敷设 Underground laying	空气敷设 Air laying
mm^2	mm	mm	mm	kg/km	20℃, Ω/km	KV	mΩ.km		
2.5	0.8	1.8	18.7	404	7.41	3.5	0.00611	30.5	24.3
4	1.0	1.8	21.0	538	4.61	3.5	0.00664	39.2	31.3
6	1.0	1.8	22.3	658	3.08	3.5	0.00602	49.1	39.7
10	1.0	1.8	25.2	941	1.83	3.5	0.00487	66.7	54.5
16	1.0	1.8	29.7	1308	1.15	3.5	0.00422	86.1	71.9
25	1.2	1.8	32.3	1887	0.727	3.5	0.00431	109.3	93.1
35	1.2	1.9	35.2	2475	0.524	3.5	0.00381	131.5	112.5
50	1.4	2.1	40.2	3370	0.387	3.5	0.00396	154.1	133.7
70	1.4	2.2	44.9	4422	0.268	3.5	0.00354	187.9	165.3
95	1.6	2.4	50.7	5892	0.193	3.5	0.00351	223.7	200.8
120	1.6	2.5	55.1	7275	0.153	3.5	0.00316	254.0	231.1

四芯不等截面聚氯乙烯绝缘和护套耐火电力电缆
4 cores different section PVC insulated and sheathed fire-proof electric power cable

导体标称截面 Nom.cross sec.area of conductor	绝缘厚度 Insu. thickness	外护层厚度 Outer sheath thickness	电缆外径（近似） Cable outer dia. (approx.)	电缆重量（近似） Cable weight. (approx.)	导体最大直流电阻 Max D.C. resistance	试验电压 Test voltage	最小绝缘电阻 Min insu. resistance	电缆载流量（A） current rating	
								土壤敷设 Underground laying	空气敷设 Air laying
mm^2	mm	mm	mm	kg/km	20℃, Ω/km	KV	mΩ.km		
4	1.0	1.8	18.7	419	4.61	3.5	0.00664	38.8	30.9
6	1.0	1.8	20.1	524	3.08	3.5	0.00602	48.7	38.5
10	1.0	1.8	22.4	718	1.83	3.5	0.00487	65.9	53.4
16	1.0	1.8	24.8	983	1.15	3.5	0.00422	85.4	69.5
25	1.2	1.8	28.3	1394	0.727	3.5	0.00431	108.7	89.6
35	1.2	1.8	30.1	1741	0.524	3.5	0.00381	130.0	109.0
50	1.4	1.6	34.4	2390	0.387	3.5	0.00396	152.6	129.5
70	1.4	2.0	38.2	3131	0.268	3.5	0.00354	186.0	160.8
95	1.6	2.2	43.3	4198	0.193	3.5	0.00351	221.2	193.0
120	1.6	2.3	47.0	5219	0.153	3.5	0.00316	251.4	224.0
150	1.8	2.4	50.8	6289	0.124	3.5	0.00323	279.8	251.9
185	2.0	2.6	56.5	7758	0.0991	3.5	0.00324	314.3	287.1
240	2.2	2.8	62.4	9837	0.0754	3.5	0.00316	361.3	334.4

单芯聚氯乙烯绝缘、铝带铠装、聚氯乙烯护套耐火电力电缆
Single core PVC insulated, aluminium tape armoured, sheathed fire-proof electric power cable

导体标称截面 Nom. cross sec. area of conductor	绝缘厚度 Insu. thick.	铝带铠装层厚度 Outer sheath thick.	外护层厚度 Outer sheath thick.	电缆外径(近似) Cable outer dia. (approx.)	电缆重量(近似) Cable weight. (approx.)	导体最大直流电阻 Max D.C. resistance	试验电压 Test voltage	最小绝缘电阻 Min insu. resistance	电缆载流量（A） current rating	
									土壤敷设 Underground laying	空气敷设 Air laying
mm^2	mm	mm	mm	mm	kg/km	20℃,Ω/km	KV	mΩ.km		
10	1.0	2×0.5	1.4	17.1	478	1.83	3.5	0.00487	102.4	74.1
16	1.0	2×0.5	1.4	18.2	569	1.15	3.5	0.00422	134.4	98.6
25	1.2	2×0.5	1.5	19.8	709	0.727	3.5	0.00431	174.9	131.5
35	1.2	2×0.5	1.5	21.0	840	0.524	3.5	0.00381	212.4	158.3
50	1.4	2×0.5	1.5	22.5	1033	0.387	3.5	0.00396	252.1	191.9
70	1.4	2×0.5	1.6	23.9	1260	0.268	3.5	0.00354	311.2	241.0
95	1.6	2×0.5	1.7	26.1	1571	0.193	3.5	0.00351	376.5	292.0
120	1.6	2×0.5	1.7	27.8	1855	0.153	3.5	0.00316	433.1	342.2
150	1.8	2×0.5	1.8	29.9	2217	0.124	3.5	0.00323	488.0	394.1
185	2.0	2×0.5	1.8	32.3	2640	0.0991	3.5	0.00324	554.9	448.8

二芯聚氯乙烯绝缘钢带铠装聚氯乙烯护套耐火电力电缆
2 cores PVC insulated, steel tape armoured, sheathed fire-proof electric power cable

导体标称截面 Nom. cross sec. area of conductor	绝缘厚度 Insu. thick.	钢带铠装层厚度 Stell tape armour thick.	外护层厚度 Outer sheath thick.	电缆外径(近似) Cable outer dia. (approx.)	电缆重量(近似) Cable weight. (approx.)	导体最大直流电阻 Max D.C. resistance	试验电压 Test voltage	最小绝缘电阻 Min insu. resistance	电缆载流量（A） current rating	
									土壤敷设 Underground laying	空气敷设 Air laying
mm^2	mm	mm	mm	mm	kg/km	20℃,Ω/km	KV	mΩ.km		
4	1.0	2×0.2	1.8	18.5	525	4.61	3.5	0.00664	44.2	35.3
6	1.0	2×0.2	1.8	19.5	598	3.08	3.5	0.00602	55.2	44.4
10	1.0	2×0.2	1.8	21.8	757	1.83	3.5	0.00487	73.9	60.6
16	1.0	2×0.2	1.8	23.6	947	1.15	3.5	0.00422	94.2	77.3
25	1.2	2×0.2	1.8	26.8	1253	0.727	3.5	0.00431	119.8	99.1
35	1.2	2×0.2	1.8	28.8	1879	0.524	3.5	0.00381	141.6	119.8
50	1.4	2×0.2	1.8	32.2	2339	0.387	3.5	0.00396	166.0	141.2
70	1.4	2×0.2	1.9	35.8	2872	0.268	3.5	0.00354	198.3	169.7
95	1.6	2×0.5	2.1	42.0	3660	0.193	3.5	0.00351	234.1	203.1
120	1.6	2×0.5	2.2	45.0	4365	0.153	3.5	0.00316	259.4	227.2
150	1.8	2×0.5	2.4	49.4	5224	0.124	3.5	0.00323	289.4	255.6
185	2.0	2×0.5	2.5	53.6	6247	0.0991	3.5	0.00324	323.8	288.3

三芯聚氯乙烯绝缘钢带铠装聚氯乙烯护套耐火电力电缆
3 cores PVC insulated, steel tape armoured, sheathed fire-proof electric power cable

导体标称截面 Nom.cross sec.area of conductor	绝缘厚度 Insu. thick.	钢带铠装层厚度 Stell tape armour thick.	外护层厚度 Outer sheath thick.	电缆外径(近似) Cable outer dia. (approx.)	电缆重量(近似) Cable weight. (approx.)	导体最大直流电阻 Max D.C. resistance	试验电压 Test voltage	最小绝缘电阻 Min insu. resistance	电缆载流量（A） current rating	
									土壤敷设 Underground laying	空气敷设 Air laying
mm^2	mm	mm	mm	mm	kg/km	20℃,Ω/km	KV	mΩ.km		
2.5	0.8	2×0.2	1.8	17.6	488	7.41	3.5	0.00611	29.5	23.7
4	1.0	2×0.2	1.8	19.4	603	4.61	3.5	0.00664	37.9	30.4
6	1.0	2×0.2	1.8	20.5	692	3.08	3.5	0.00602	47.5	38.4
10	1.0	2×0.2	1.8	22.8	909	1.83	3.5	0.00487	64.5	52.3
16	1.0	2×0.2	1.8	25.0	1153	1.15	3.5	0.00422	83.4	68.8
25	1.2	2×0.2	1.8	28.4	1899	0.727	3.5	0.00431	106.8	90.0
35	1.2	2×0.2	1.8	30.6	2317	0.524	3.5	0.00381	128.0	108.3
50	1.4	2×0.2	1.9	34.4	2937	0.387	3.5	0.00396	150.1	129.4
70	1.4	2×0.2	2.0	38.3	3696	0.268	3.5	0.00354	182.6	158.9
95	1.6	2×0.5	2.2	44.8	4740	0.193	3.5	0.00351	217.2	192.3
120	1.6	2×0.5	2.3	48.0	5665	0.153	3.5	0.00316	246.7	220.7
150	1.8	2×0.5	2.5	52.7	6868	0.124	3.5	0.00323	274.6	248.7
185	2.0	2×0.5	2.6	57.6	8272	0.0991	3.5	0.00324	307.8	282.2
240	2.2	2×0.5	2.8	63.6	10331	0.0754	3.5	0.00316	353.0	328.3

四芯聚氯乙烯绝缘钢带铠装聚氯乙烯护套耐火电力电缆
4 cores PVC insulated, steel tape armoured, sheathed fire-proof electric power cable

导体标称截面 Nom.cross sec.area of conductor	绝缘厚度 Insu. thick.	钢带铠装层厚度 Stell tape armour thick.	外护层厚度 Outer sheath thick.	电缆外径(近似) Cable outer dia. (approx.)	电缆重量(近似) Cable weight. (approx.)	导体最大直流电阻 Max D.C. resistance	试验电压 Test voltage	最小绝缘电阻 Min insu. resistance	电缆载流量（A） current rating	
									土壤敷设 Underground laying	空气敷设 Air laying
mm^2	mm	mm	mm	mm	kg/km	20℃,Ω/km	KV	mΩ.km		
2.5	0.8	2×0.2	1.8	18.9	566	7.41	3.5	0.00611	29.8	23.8
4	1.0	2×0.2	1.8	21.0	702	4.61	3.5	0.00664	38.3	31.1
6	1.0	2×0.2	1.8	22.2	829	3.08	3.5	0.00602	48.0	39.3
10	1.0	2×0.2	1.8	24.8	1094	1.83	3.5	0.00487	65.1	53.7
16	1.0	2×0.2	1.8	27.3	1731	1.15	3.5	0.00422	84.4	70.6
25	1.2	2×0.2	1.8	31.1	2306	0.727	3.5	0.00431	107.7	91.2
35	1.2	2×0.2	1.9	33.7	2835	0.524	3.5	0.00381	129.1	111.2
50	1.4	2×0.2	2.0	38.0	3667	0.387	3.5	0.00396	151.2	131.8
70	1.4	2×0.5	2.2	44.3	4624	0.268	3.5	0.00354	184.1	162.2
95	1.6	2×0.5	2.4	49.6	5963	0.193	3.5	0.00351	219.0	196.4
120	1.6	2×0.5	2.5	53.1	7193	0.153	3.5	0.00316	248.5	225.5
150	1.8	2×0.5	2.6	58.0	8735	0.124	3.5	0.00323	276.9	254.1

五芯聚氯乙烯绝缘钢带铠装聚氯乙烯护套耐火电力电缆
5 cores PVC insulated, steel tape armoured, sheathed fire-proof electric power cable

导体标称截面 Nom.cross sec.area of conductor	绝缘厚度 Insu. thick.	钢带铠装层厚度 Steel tape armour thick.	外护层厚度 Outer sheath thick.	电缆外径（近似） Cable outer dia.(approx.)	电缆重量（近似） Cable weight, (approx.)	导体最大直流电阻 Max D.C. resistance	试验电压 Test voltage	最小绝缘电阻 Min insu. resistance	电缆载流量（A） current rating	
									土壤敷设 Underground laying	空气敷设 Air laying
mm^2	mm	mm	mm	mm	kg/km	20℃, Ω/km	kv	mΩ·km		
2.5	0.8	2x0.2	1.8	20.5	651	7.41	3.5	0.00611	30.0	24.3
4	1.0	2x0.2	1.8	22.8	816	4.61	3.5	0.00664	38.6	31.3
6	1.0	2x0.2	1.8	24.1	953	3.08	3.5	0.00602	48.4	39.7
10	1.0	2x0.2	1.8	27.0	1615	1.83	3.5	0.00487	65.8	55.0
16	1.0	2x0.2	1.8	29.7	2050	1.15	3.5	0.00422	85.0	72.3
25	1.2	2x0.2	1.8	30.1	2741	0.727	3.5	0.00431	108.6	93.5
35	1.2	2x0.2	2.0	37.2	3424	0.524	3.5	0.00381	130.0	113.1
50	1.4	2x0.5	2.2	44.0	4431	0.387	3.5	0.00396	152.3	134.4
70	1.4	2x0.5	2.3	48.7	5605	0.268	3.5	0.00354	185.6	165.7
95	1.6	2x0.5	2.5	54.5	7271	0.193	3.5	0.00351	220.8	200.6
120	1.6	2x0.5	2.6	58.9	8785	0.153	3.5	0.00316	250.6	230.4

四芯不等截面聚氯乙烯绝缘钢带铠装聚氯乙烯护套耐火电力电缆
4 cores PVC insulated, steel tape armoured, sheathed fire-proof electric power cable

导体标称截面 Nom.cross sec.area of conductor	绝缘厚度 Insu. thick.	钢带铠装层厚度 Steel tape armour thick.	外护层厚度 Outer sheath thick.	电缆外径（近似） Cable outer dia.(approx.)	电缆重量（近似） Cable weight, (approx.)	导体最大直流电阻 Max D.C. resistance	试验电压 Test voltage	最小绝缘电阻 Min insu. resistance	电缆载流量（A） current rating	
									土壤敷设 Underground laying	空气敷设 Air laying
mm^2	mm	mm	mm	mm	kg/km	20℃, Ω/km	kv	mΩ·km		
4	1.0	2x0.2	1.8	20.5	670	4.61	3.5	0.00664	38.2	30.9
6	1.0	2x0.2	1.8	21.9	792	3.08	3.5	0.00602	47.9	39.2
10	1.0	2x0.2	1.8	24.2	1019	1.83	3.5	0.00487	64.9	53.3
16	1.0	2x0.2	1.8	26.6	1330	1.15	3.5	0.00422	84.0	69.3
25	1.2	2x0.2	1.8	30.1	2149	0.727	3.5	0.00431	107.4	90.6
35	1.2	2x0.2	1.8	31.9	2551	0.524	3.5	0.00381	128.5	109.8
50	1.4	2x0.2	1.9	36.2	3303	0.387	3.5	0.00396	150.8	130.4
70	1.4	2x0.2	2.1	40.2	4148	0.268	3.5	0.00354	183.6	160.6
95	1.6	2x0.5	2.3	47.1	5358	0.193	3.5	0.00351	218.3	194.3
120	1.8	2x0.5	2.4	50.8	6505	0.153	3.5	0.00316	247.7	223.2
150	1.8	2x0.5	2.5	54.6	7661	0.124	3.5	0.00323	275.3	250.9
185	2.0	2x0.5	2.7	60.3	9346	0.0991	3.5	0.00324	308.9	284.8
240	2.2	2x0.5	2.9	66.2	11638	0.0754	3.5	0.00316	354.1	330.9

5 敷设、运行条件Laying、operating conditions

电缆导体长期允许工作温度为70℃ The permitted working temperature of cable's conductorina long time is 70℃

敷设电缆时的温度应不低于0℃ The laying temperature of the cable shouldnot be below 0℃

弯曲半径：电缆外径（D）小于25mm，≥4D

Bend radius :cable outer diameter less than 25mm，≥4D

电缆外径（D）为25mm及以上者：≥6D

cable outer diameter 25mm or more，≥6D

在空气中敷设Air laying

a.周围环境温度：30℃Enviroment temperature around correct coefficient

b.不同环境温度下载流量的校正系数correct coefficiant of current rating at different enviroment temperature

环境温度Enviroment temperature 25℃ 30℃ 35℃ 40℃ 45℃

校正系数：Correct coefficient 1.08 1.00 0.94 0.86 0.77

直埋敷设Directly bury laying

a.周围环境温度Enviroment temperature around：15℃

b.土壤热阻系数Ground heat-resistance coefficient：1.2C· m/w；

直埋深度Undergroud deepth：0.5m

c.不同环境温度下载流量校正系数Correct coefficient of current rating at different enviroment temperature

环境温度 10℃ 15℃ 20℃ 25℃ 30℃

校正系数 1.05 1.00 0.95 0.90 0.85

标准Standard

本产品执行GB-9330-88、IEC332-3标准

This product adopts the standards of GB-9330-88 and IEC332-3

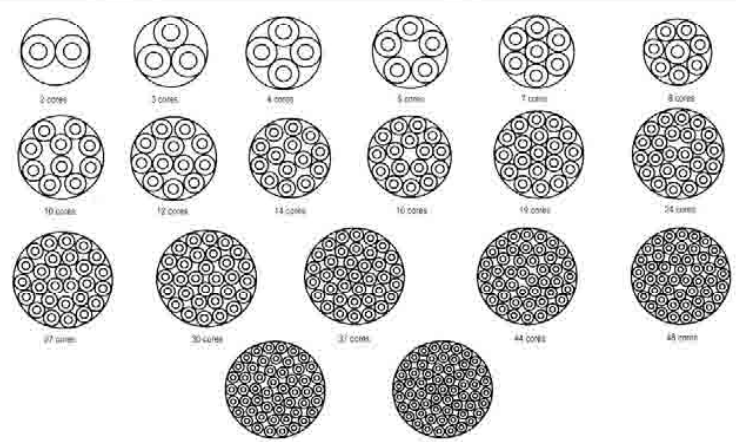
适用范围 Scope of application

适用于交流额定电压450/750V 以下控制，监控回路及保护线路等场合适用。

This product is used for control，loop control & line protection when the rated voltage is 450/750V or less

电缆型号名称及使用范围Type，Designation and Main Applications of Cable

型号 Type	名称 Description	使用范围 Main Application
KVV	铜芯聚氯乙烯绝缘聚氯乙烯护套控制电缆。 Copper conductor PVC Insulated and sheathed control cable	敷设在室内、电缆沟、管道等固定场合。 For laying indoors,in trenches and in dusts,For fixed installation
$KVVP_2$	铜芯聚氯乙烯绝缘聚氯乙烯护套铜带屏蔽控制电缆。 Copper conductor PVC Insulated and sheathed control cable with copper tape shield.	敷设在室内、电缆沟、管道等要求屏蔽的固定场合。 For laying indoors,in trenches and in dusts,For fixed installation
KVV_{22}	铜芯聚氯乙烯绝缘聚氯乙烯护套钢带铠装控制电缆。 Copper conductor PVC insulated and sheathed control cable with steel tape armmour.	敷设在室内、电缆沟、管道、直埋等承受较大机械外力的固定场合。 For laying indoors,in trenches,in dusts and in ground,able to withstand heavier mechanical force,and for fixed installation.
KVVR	铜芯聚氯乙烯绝缘聚氯乙烯护套控制软电缆。 Copper conductor PVC insulated flexible control cable.	敷设在室内移动要求柔软等场合。 For laying indoors,movable and flexible
ZR-KVV	铜芯聚氯乙烯绝缘聚氯乙烯护套阻燃控制电缆。 Copper conductor PVC Insulated and sheathed flame retardant control cable.	敷设在有阻燃要求的室内、电缆沟、管道等固定场合。 For laying indoors,in trenches,in ducts ,and for fixed installation,The cable should be flame retardance.
$ZR\text{-}KVVP_2$	铜芯聚氯乙烯绝缘聚氯乙烯护套铜带屏蔽阻燃控制电缆。 Copper conductor PVC Insulated and sheathed flame retardant control cable with steel tape shield.	敷设在有阻燃要求的室内、电缆沟、管道等固定场合。 For laying indoors,in trenches,in dusts ,and for fixed installation,The cable should be flame retardance.
$ZR\text{-}KVV_{22}$	铜芯聚氯乙烯绝缘聚氯乙烯护套钢带铠装阻燃控制电缆。 Copper conductor PVC insulated and sheathed flame retardant control cable with steel tape armmour.	敷设在有阻燃要求的室内、电缆沟、管道、直埋等承受较大机械外力固定场合。 For laying indoors,in trenches,in dusts and underground,The cable should be flame-retardant and able to beer beavier external mechanical force,and for fixed installation.
ZR-KVVR	铜芯聚氯乙烯绝缘聚氯乙烯护套阻燃控制软电缆。 Copper conductor PVC insulated and sheathed flame retardant flexible control cable.	敷设在有阻燃要求的室内可移动柔软等场合。 For laying indoors,and the cable should be flame-retardant flexible and movable.



生产范围Range of Production

型号 Type	Rated Voltage V	导体标称截面 Nominal cross-sectional area of conductor mm²							
		0.5	0.75	1.0	1.5	2.5	4	6	10
KVV ZR-KVV	450/750	-	2-61				2-14		2-10
KVVP2 ZR-KVVP2		-	4-61				4-14		4-10
KVV22 ZR-KVV22		-	7-61			4-61	4-14		4-10
KVVR ZR-KVVR		4-61					-		-

注：推荐的芯数系列为：2.3.4.5.7.8.10.12.14.16.19.24.27.30.37.44.48.52和61芯
Note:The series of No.of coress will be recommended as follows
2.3.4.5.7,8.10.12.14.16.19.24.27.30.37.44.48.52and 61 cores

绝缘材料性能 Properties of insulation materials

项目 Item		绝缘 Insulation	护套 Sheath
最小抗张强度 Min.tensile strength N/mm²		12.5	12.5
最小拉断伸长率 Min.elongation at break		150	150
热空气老化性能 Properties of heatageing in air	温度 ℃ temperature	100±2	100±2
	时间 hr duration	168	168
	抗张强度 N/mm² tensile strength min	≥125	≥125
	K_1 (%)	±25	±25
	拉断伸长率 % elongation at break	≥150	≥150
	K_2 (%)	±25	±25
	重量损失 mg/cm² loss of mass	≤2.0	≤2.0
热冲击性能 Heat shock property	温度 ℃ temperature	150±2	150±2
	时间 hr duration	1	1
	性能要求 requirement	无裂缝 no crack	无裂缝 no crack
热变形性能 Hot deformation property	温度 ℃ temperature	80±2	80±2
	时间 hr duration	4	4
	最大变形率% max.deformation	50	50
冷弯曲性能 Cold bending property	温度 ℃ temperature	-15±1	-15±1
	时间 hr duration	16	16
	性能要求 requirement	无裂缝 no crack	无裂缝 no crack
冷冲击性能 Cold impact property	温度 ℃ temperature	-15±2	-15±2
	时间 hr duration	16	16
	性能要求 requirement	无裂缝 no crack	无裂缝 no crack
绝缘电阻常数（K值） Insulation resistance constant（K）70℃		≥0.0037	
电缆耐燃烧试验（成束）	时间min 燃烧后距离不大于m		20 2.5

电缆结构材料及性能Construction size and Properties of cables
KVV型，ZR-KVV型450/750V铜芯聚氯乙烯绝缘聚氯乙烯护套控制电缆
Type Kvv, ZR-KVV 450/750 Copper Conductor PVC Insulated and Sheathed Control Cable

芯数X标称截面 Cross x Nom. cross-sectional Area mm²	导体种类 Kind of conductor	绝缘标称厚度 Nom thickness of Insulation mm	护套标称厚度 Nom thickness of Sheath mm	平均外径 Mean overall Diameter mm 下限 min	平均外径 Mean overall Diameter mm 上限 max.	最小绝缘电阻 min Resistance of Insulation at 70℃ MΩ·km	最大直流电阻 max D.C. Resistance of at 20℃ Ω·km
2x0.75	1	0.6	1.2	6.4	8.0	0.012	24.5
2x0.75	2	0.6	1.2	6.6	8.4	0.014	24.5
2x1.0	1	0.6	1.2	6.8	8.4	0.011	18.1
2x1.0	2	0.6	1.2	6.8	8.8	0.013	18.1
2x1.5	1	0.7	1.2	7.6	9.4	0.011	12.1
2x1.5	2	0.7	1.2	7.8	10.0	0.010	12.1
2x2.5	1	0.8	1.2	8.6	10.5	0.010	7.41
2x2.5	2	0.8	1.2	9.0	11.5	0.009	7.41
2x4	1	0.8	1.2	9.6	11.5	0.0085	4.61
2x4	2	0.8	1.2	10.0	12.5	0.0077	4.61
2x6	1	0.8	1.2	10.5	12.5	0.0070	3.08
2x6	2	0.8	1.2	11.0	14.0	0.0065	3.08
2x1.0	2	1.0	1.5	14.0	17.5	0.0065	1.83
3x0.75	1	0.6	1.2	6.8	8.4	0.012	24.5
3x0.75	2	0.6	1.2	7.0	8.8	0.014	24.5
3x1.0	1	0.6	1.2	7.0	8.8	0.011	18.1
3x1.0	2	0.6	1.2	7.2	9.2	0.013	18.1
3x1.5	1	0.7	1.2	8.0	9.8	0.011	12.1
3x1.5	2	0.7	1.2	8.2	10.5	0.010	12.1
3x2.5	1	0.8	1.2	9.2	11.0	0.010	7.41
3x2.5	2	0.8	1.2	9.4	12.0	0.009	7.41
3x4	1	0.8	1.2	10.0	12.5	0.0085	4.61
3x4	2	0.8	1.2	10.5	13.5	0.0077	4.61
3x6	1	0.8	1.5	11.5	14.0	0.0070	3.08
3x6	2	0.8	1.5	12.0	15.0	0.0065	3.08
3x1.0	2	1.0	1.5	14.5	18.5	0.0065	1.83
4x0.75	1	0.6	1.2	7.2	9.0	0.012	24.5
4x0.75	2	0.6	1.2	7.4	9.6	0.014	24.5
4x1.0	1	0.6	1.2	7.6	9.4	0.011	18.1
4x1.0	2	0.6	1.2	7.8	10.0	0.013	18.1
4x1.5	1	0.7	1.2	8.6	10.5	0.011	12.1
4x1.5	2	0.7	1.2	9.0	11.5	0.010	12.1
4x2.5	1	0.8	1.2	10.0	12.0	0.010	7.41
4x2.5	2	0.8	1.2	10.0	13.0	0.009	7.41
4x4	1	0.8	1.5	11.5	14.0	0.0085	4.61
4x4	2	0.8	1.5	12.0	15.0	0.0077	4.61
4x6	1	0.8	1.5	12.5	15.0	0.0070	3.08
4x6	2	0.8	1.5	13.0	16.5	0.0065	3.08
4x1.0	2	1.0	1.5	16.0	20.0	0.0065	1.83
5x0.75	1	0.6	1.2	7.8	9.6	0.012	24.5
5x0.75	2	0.6	1.2	8.0	10.5	0.014	24.5
5x1.0	1	0.6	1.2	8.2	10.0	0.011	18.1
5x1.0	2	0.6	1.2	8.4	11.0	0.013	18.1
5x1.5	1	0.7	1.2	9.4	11.5	0.011	12.1
5x1.5	2	0.7	1.2	9.8	12.5	0.010	12.1
5x2.5	1	0.8	1.5	11.5	14.0	0.010	7.41
5x2.5	2	0.8	1.5	11.5	14.5	0.009	7.41
5x4	1	0.8	1.5	12.5	15.0	0.0085	4.61
5x4	2	0.8	1.5	13.0	16.5	0.0077	4.61
5x6	1	0.8	1.5	14.0	16.5	0.0070	3.08
5x6	2	0.8	1.5	14.5	18.0	0.0065	3.08
5x1.0	2	1.0	1.7	18.0	22.5	0.0065	1.83
7x0.75	1	0.6	1.2	8.4	10.5	0.012	24.5
7x0.75	2	0.6	1.2	8.8	11.0	0.014	24.5
7x1.0	1	0.6	1.2	9.0	11.0	0.011	18.1
7x1.0	2	0.6	1.2	9.2	11.5	0.013	18.1
7x1.5	1	0.7	1.2	10.0	12.5	0.011	12.1
7x1.5	2	0.7	1.2	10.5	13.5	0.010	12.1
7x2.5	1	0.8	1.5	12.5	15.0	0.010	7.41
7x2.5	2	0.8	1.5	12.5	16.0	0.009	7.41
7x4	1	0.8	1.5	13.5	16.5	0.0085	4.61
7x4	2	0.8	1.5	14.0	17.5	0.0077	4.61
7x6	1	0.8	1.5	15.0	18.0	0.0070	3.08
7x6	2	0.8	1.5	15.5	19.5	0.0065	3.08
7x1.0	2	1.0	1.7	20.0	24.0	0.0065	1.83

芯数X标称截面 Croes x Nom. cross-sectional Area mm²	导体种类 Kind of conductor	绝缘标称厚度 Nom thickness of Insulation mm	护套标称厚度 Nom thickness of Sheath mm	平均外径 Mean overall Diameter mm		最小绝缘电阻 min Resistance of Insulation at 70 ℃ MΩ·km	最大直流电阻 max D.C. Resistance of at 20℃ Ω·km
				下限 min	上限 max.		
8x0.75	1	0.6	1.2	9.4	11.5	0.012	24.5
8x0.75	2	0.6	1.2	9.8	12.0	0.014	24.5
8x1.0	1	0.6	1.2	10.0	12.0	0.011	18.1
8x1.0	2	0.6	1.2	10.0	13.0	0.013	18.1
8x1.5	1	0.7	1.5	12.0	14.5	0.011	12.1
8x1.5	2	0.7	1.5	12.5	15.5	0.010	12.1
8x2.5	1	0.8	1.5	14.0	16.5	0.010	7.41
8x2.5	2	0.8	1.5	14.0	17.5	0.009	7.41
8x4	1	0.8	1.5	15.5	18.0	0.0085	4.61
8x4	2	0.8	1.5	16.0	19.5	0.0077	4.61
8x6	1	0.8	1.7	17.5	20.0	0.0070	3.08
8x6	2	0.8	1.7	18.0	22.0	0.0065	3.08
8x1.0	2	1.0	1.7	22.5	27.0	0.0065	1.83
10x0.75	1	0.6	1.2	10.5	12.5	0.012	24.5
10x0.75	2	0.6	1.2	10.5	13.5	0.014	24.5
10x1.0	1	0.6	1.5	11.5	14.0	0.011	18.1
10x1.0	2	0.6	1.5	12.0	15.0	0.013	18.1
10x1.5	1	0.7	1.5	13.5	16.0	0.011	12.1
10x1.5	2	0.7	1.5	14.0	17.0	0.010	12.1
10x2.5	1	0.8	1.5	15.5	18.5	0.010	7.41
10x2.5	2	0.8	1.5	16.0	19.5	0.009	7.41
10x4	1	0.8	1.7	18.0	20.5	0.0085	4.61
10x4	2	0.8	1.7	18.5	22.5	0.0077	4.61
10x6	1	0.8	1.7	19.5	22.5	0.0070	3.08
10x6	2	0.8	1.7	20.5	25.0	0.0065	3.08
10x1.0	2	1.0	1.7	25.5	30.5	0.0065	1.83
12x0.75	1	0.6	1.5	11.5	13.5	0.012	24.5
12x0.75	2	0.6	1.5	11.5	14.5	0.014	24.5
12x1.0	1	0.6	1.5	12.0	14.5	0.011	18.1
12x1.0	2	0.6	1.5	12.5	15.5	0.013	18.1
12x1.5	1	0.7	1.5	14.0	16.5	0.011	12.1
12x1.5	2	0.7	1.5	14.0	17.5	0.010	12.1
12x2.5	1	0.8	1.5	16.0	19.0	0.010	7.41
12x2.5	2	0.8	1.5	16.5	20.5	0.009	7.41
12x4	1	0.8	1.7	18.5	21.5	0.0085	4.61
12x4	2	0.8	1.7	19.0	23.0	0.0077	4.61
12x6	1	0.8	1.7	20.5	23.5	0.0070	3.08
12x6	2	0.8	1.7	21.0	26.0	0.0065	3.08
14x0.75	1	0.6	1.5	12.0	14.5	0.012	24.5
14x0.75	2	0.6	1.5	12.0	15.0	0.014	24.5
14x1.0	1	0.6	1.5	12.5	15.0	0.011	18.1
14x1.0	2	0.6	1.5	13.0	16.0	0.013	18.1
14x1.5	1	0.7	1.5	14.5	17.0	0.011	12.1
14x1.5	2	0.7	1.5	15.0	18.5	0.010	12.1
14x2.5	1	0.8	1.5	17.0	19.5	0.010	7.41
14x2.5	2	0.8	1.5	17.5	21.5	0.009	7.41
14x4	1	0.8	1.7	19.5	22.5	0.0085	4.61
14x4	2	0.8	1.7	20.0	24.5	0.0077	4.61
14x6	1	0.8	1.7	21.5	24.5	0.0070	3.08
14x6	2	0.8	1.7	22.5	27.0	0.0065	3.08
16x0.75	1	0.6	1.5	12.5	15.0	0.012	24.5
16x0.75	2	0.6	1.5	13.0	16.0	0.014	24.5
16x1.0	1	0.6	1.5	13.0	15.5	0.011	18.1
16x1.0	2	0.6	1.5	13.5	17.0	0.013	18.1
16x1.5	1	0.7	1.5	15.0	18.0	0.011	12.1
16x1.5	2	0.7	1.5	15.5	19.5	0.010	12.1
16x2.5	1	0.8	1.7	18.0	21.0	0.010	7.41
16x2.5	2	0.8	1.7	19.0	23.0	0.009	7.41
19x0.75	1	0.6	1.5	13.0	15.5	0.012	24.5
19x0.75	2	0.6	1.5	13.5	16.5	0.014	24.5
19x1.0	1	0.6	1.5	14.0	16.5	0.011	18.1
19x1.0	2	0.6	1.5	14.5	17.5	0.013	18.1
19x1.5	1	0.7	1.5	16.0	19.0	0.011	12.1
19x1.5	2	0.7	1.5	16.5	20.5	0.010	12.1
19x2.5	1	0.8	1.7	19.0	22.0	0.010	7.41
19x2.5	2	0.8	1.7	20.0	24.0	0.009	7.41

芯数X标称截面 Croes x Nom. cross-sectional Area mm²	导体种类 Kind of conductor	绝缘标称厚度 Nom thickness of Insulation mm	护套标称厚度 Nom thickness of Sheath mm	平均外径 Mean overall Diameter mm		最小绝缘电阻 min Resistance of Insulation at 70 ℃ MΩ·km	最大直流电阻 max D.C. Resistance of at 20℃ Ω·km
				下限 min	上限 max.		
24x0.75	1	0.6	1.5	15.0	18.0	0.012	24.5
24x0.75	2	0.6	1.5	15.5	19.0	0.014	24.5
24x1.0	1	0.6	1.5	16.0	19.0	0.011	18.1
24x1.0	2	0.6	1.5	16.5	20.5	0.013	18.1
24x1.5	1	0.7	1.7	19.0	22.0	0.011	12.1
24x1.5	2	0.7	1.7	20.0	24.0	0.010	12.1
24x2.5	1	0.8	1.7	22.5	25.5	0.010	7.41
24x2.5	2	0.8	1.7	23.0	28.0	0.009	7.41
27x0.75	1	0.6	1.5	15.5	18.0	0.012	24.5
27x0.75	2	0.6	1.5	16.0	19.5	0.014	24.5
27x1.0	1	0.6	1.5	16.5	19.0	0.011	18.1
27x1.0	2	0.6	1.5	17.0	20.5	0.013	18.1
27x1.5	1	0.7	1.7	19.5	22.5	0.011	12.1
27x1.5	2	0.7	1.7	20.0	24.5	0.010	12.1
27x2.5	1	0.8	1.7	23.0	26.0	0.010	7.41
27x2.5	2	0.8	1.7	23.5	28.5	0.009	7.41
30x0.75	1	0.6	1.5	16.0	19.0	0.012	24.5
30x0.75	2	0.6	1.5	16.5	20.0	0.014	24.5
30x1.0	1	0.6	1.7	17.5	20.5	0.011	18.1
30x1.0	2	0.6	1.7	18.0	22.0	0.013	18.1
30x1.5	1	0.7	1.7	20.0	23.0	0.011	12.1
30x1.5	2	0.7	1.7	21.0	25.0	0.010	12.1
30x2.5	1	0.8	1.7	24.0	27.0	0.010	7.41
30x2.5	2	0.8	1.7	24.5	29.5	0.009	7.41
37x0.75	1	0.6	1.7	17.5	20.5	0.012	24.5
37x0.75	2	0.6	1.7	18.0	22.0	0.014	24.5
37x1.0	1	0.6	1.7	18.5	21.5	0.011	18.1
37x1.0	2	0.6	1.7	19.5	23.5	0.013	18.1
37x1.5	1	0.7	1.7	21.5	25.0	0.011	12.1
37x1.5	2	0.7	1.7	22.5	27.0	0.010	12.1
37x2.5	1	0.8	1.7	25.5	29.0	0.010	7.41
37x2.5	2	0.8	1.7	26.5	31.5	0.009	7.41
44x0.75	1	0.6	1.7	19.5	23.0	0.012	24.5
44x0.75	2	0.6	1.7	20.5	24.5	0.014	24.5
44x1.0	1	0.6	1.7	21.0	24.0	0.011	18.1
44x1.0	2	0.6	1.7	21.5	26.0	0.013	18.1
44x1.5	1	0.7	1.7	24.5	28.0	0.011	12.1
44x1.5	2	0.7	1.7	25.5	30.5	0.010	12.1
44x2.5	1	0.8	2.0	29.5	33.5	0.010	7.41
44x2.5	2	0.8	2.0	30.5	36.0	0.009	7.41
48x0.75	1	0.6	1.7	20.0	23.0	0.012	24.5
48x0.75	2	0.6	1.7	20.5	25.0	0.014	24.5
52x1.0	1	0.6	1.7	22.0	25.0	0.011	18.1
52x1.0	2	0.6	1.7	22.5	27.0	0.013	18.1
52x1.5	1	0.7	1.7	25.5	29.0	0.011	12.1
52x1.5	2	0.7	1.7	26.5	31.5	0.010	12.1
52x2.5	1	0.8	2.0	31.0	35.0	0.010	7.41
52x2.5	2	0.8	2.0	32.0	38.0	0.009	7.41
61x0.75	1	0.6	1.7	22.0	25.0	0.012	24.5
61x0.75	2	0.6	1.7	22.5	27.0	0.014	24.5
61x1.0	1	0.6	1.7	23.0	26.5	0.011	18.1
61x1.0	2	0.6	1.7	24.0	28.5	0.013	18.1
61x1.5	1	0.7	2.0	27.5	31.5	0.011	12.1
61x1.5	2	0.7	2.0	28.5	34.0	0.010	12.1
61x2.5	1	0.8	2.2	33.0	37.5	0.010	7.41
61x2.5	2	0.8	2.2	34.0	40.5	0.009	7.41

KVVP$_2$型ZR-KVVP$_2$型450/750V铜芯聚氯乙烯绝缘聚氯乙烯护套铜带屏控制电缆
Type KVVP$_2$, ZR-KVVP$_2$ 450/750V Copper Conductor PVC Insulated and Sheathed Control Cable with Copper Tape Shield

芯数X标称截面 Croes x Nom. cross sectional Area mm^2	导体种类 Kind of conductor	绝缘标称厚度 Nom thickness of Insulation mm	铜带厚度 Nom thickness of Copper tape mm	护套标称厚度 Nom thickness of Sheath mm	平均外径 Mean overall Diameter mm 下限 min	平均外径 Mean overall Diameter mm 上限 max.	最小绝缘电阻 min Resistance of Insulation at ℃ 70Ω·km	最大直流电阻 max D.C. Resistance of at ℃ 20Ω·km
4x0.75	1	0.6	0.05-0.15	1.2	8.0	10.0	0.012	24.5
4x1.0	1	0.6	0.05-0.15	1.2	8.4	10.5	0.011	18.1
4x1.5	1	0.7	0.05-0.15	1.2	9.4	11.5	0.011	12.1
4x2.5	1	0.8	0.05-0.15	1.5	11.0	14.0	0.010	7.41
4x4	1	0.8	0.05-0.15	1.5	12.5	15.0	0.0085	4.61
4x6	1	0.8	0.05-0.15	1.5	13.5	16.0	0.0070	3.08
4x10	2	1.0	0.05-0.15	1.7	17.5	21.5	0.0065	1.83
5x0.75	1	0.6	0.05-0.15	1.2	8.6	11.0	0.012	24.5
5x1.0	1	0.6	0.05-0.15	1.2	9.0	11.0	0.011	18.1
5x1.5	1	0.7	0.05-0.15	1.5	10.0	12.5	0.011	12.1
5x2.5	1	0.8	0.05-0.15	1.5	12.0	15.0	0.010	7.41
5x4	1	0.8	0.05-0.15	1.5	13.5	16.0	0.0085	4.61
5x6	1	0.8	0.05-0.15	1.5	14.5	17.5	0.0070	3.08
5x10	2	1.0	0.05-0.15	1.7	19.0	23.5	0.0065	1.83
7x0.75	1	0.6	0.05-0.15	1.2	9.2	11.5	0.012	24.5
7x1.0	1	0.6	0.05-0.15	1.2	9.6	12.0	0.011	18.1
7x1.5	1	0.7	0.05-0.15	1.5	11.5	14.0	0.011	12.1
7x2.5	1	0.8	0.05-0.15	1.5	13.0	16.0	0.010	7.41
7x4	1	0.8	0.05-0.15	1.5	14.5	17.5	0.0085	4.61
7x6	1	0.8	0.05-0.15	1.5	16.5	19.0	0.0070	3.08
7x10	2	1.0	0.05-0.15	1.7	20.5	25.0	0.0065	1.83
8x0.75	1	0.6	0.05-0.15	1.5	10.0	12.5	0.012	24.5
8x1.0	1	0.6	0.05-0.15	1.5	11.0	13.5	0.011	18.1
8x1.5	1	0.7	0.05-0.15	1.5	12.5	15.5	0.011	12.1
8x2.5	1	0.8	0.05-0.15	1.5	14.5	17.5	0.010	7.41
8x4	1	0.8	0.05-0.15	1.7	16.0	19.0	0.0085	4.61
8x6	1	0.8	0.05-0.15	1.7	18.0	21.0	0.0070	3.08
8x10	2	1.0	0.05-0.15	1.7	23.0	28.0	0.0065	1.83
10x0.75	1	0.6	0.05-0.15	1.5	11.5	14.5	0.012	24.5
10x1.0	1	0.6	0.05-0.15	1.5	12.5	15.0	0.011	18.1
10x1.5	1	0.7	0.05-0.15	1.5	14.0	17.0	0.011	12.1
10x2.5	1	0.8	0.05-0.15	1.7	16.5	19.5	0.010	7.41
10x4	1	0.8	0.05-0.15	1.7	18.5	21.5	0.0085	4.61
10x6	1	0.8	0.05-0.15	1.7	20.5	23.5	0.0070	3.08
10x10	2	1.0	0.05-0.15	1.7	26.0	31.5	0.0065	1.83
12x0.75	1	0.6	0.05-0.15	1.5	12.0	14.5	0.012	24.5
12x1.0	1	0.6	0.05-0.15	1.5	12.5	15.5	0.011	18.1
12x1.5	1	0.7	0.05-0.15	1.5	14.5	17.5	0.011	12.1
12x2.5	1	0.8	0.05-0.15	1.7	17.0	20.5	0.010	7.41
12x4	1	0.8	0.05-0.15	1.7	19.0	22.5	0.0085	4.61
12x6	1	0.8	0.05-0.15	1.7	21.0	24.5	0.0070	3.08
14x0.75	1	0.6	0.05-0.15	1.5	12.5	15.5	0.012	24.5
14x1.0	1	0.6	0.05-0.15	1.5	13.5	16.0	0.011	18.1
14x1.5	1	0.7	0.05-0.15	1.5	15.0	18.0	0.011	12.1
14x2.5	1	0.8	0.05-0.15	1.7	18.0	21.0	0.010	7.41
14x4	1	0.8	0.05-0.15	1.7	20.0	23.5	0.0085	4.61
14x6	1	0.8	0.05-0.15	1.7	22.0	25.5	0.0070	3.08
16x0.75	1	0.6	0.05-0.15	1.5	13.0	16.0	0.012	24.5
16x1.0	1	0.6	0.05-0.15	1.5	14.0	16.5	0.011	18.1
16x1.5	1	0.7	0.05-0.15	1.5	16.0	19.0	0.011	12.1
16x2.5	1	0.8	0.05-0.15	1.7	19.0	22.0	0.010	7.41
19x0.75	1	0.6	0.05-0.15	1.5	14.0	16.5	0.012	24.5
19x1.0	1	0.6	0.05-0.15	1.5	14.5	17.5	0.011	18.1
19x1.5	1	0.7	0.05-0.15	1.7	16.5	20.0	0.011	12.1
19x2.5	1	0.8	0.05-0.15	1.7	20.0	23.0	0.010	7.41
24x0.75	1	0.6	0.05-0.15	1.5	16.0	19.0	0.012	24.5
24x1.0	1	0.6	0.05-0.15	1.7	17.0	20.5	0.011	18.1
24x1.5	1	0.7	0.05-0.15	1.7	20.0	23.0	0.011	12.1
24x2.5	1	0.8	0.05-0.15	1.7	23.0	26.5	0.010	7.41
27x0.75	1	0.6	0.05-0.15	1.7	16.0	19.0	0.012	24.5
27x1.0	1	0.6	0.05-0.15	1.7	17.5	20.5	0.011	18.1
27x1.5	1	0.7	0.05-0.15	1.7	20.0	23.5	0.011	12.1
27x2.5	1	0.8	0.05-0.15	1.7	23.5	27.0	0.010	7.41
30x0.75	1	0.6	0.05-0.15	1.7	17.0	20.0	0.012	24.5
30x1.0	1	0.6	0.05-0.15	1.7	18.0	21.5	0.011	18.1
30x1.5	1	0.7	0.05-0.15	1.7	21.0	24.0	0.011	12.1
30x2.5	1	0.8	0.05-0.15	1.7	24.5	28.0	0.010	7.41
37x0.75	1	0.6	0.05-0.15	1.7	18.5	21.5	0.012	24.5
37x1.0	1	0.6	0.05-0.15	1.7	19.5	22.5	0.011	18.1
37x1.5	1	0.7	0.05-0.15	1.7	22.5	26.0	0.011	12.1
37x2.5	1	0.8	0.05-0.15	2.0	26.5	30.0	0.010	7.41
44x0.75	1	0.6	0.05-0.15	1.7	20.5	24.0	0.012	24.5
44x1.0	1	0.6	0.05-0.15	1.7	21.5	25.0	0.011	18.1
44x1.5	1	0.7	0.05-0.15	1.7	25.0	29.0	0.011	12.1
44x2.5	1	0.8	0.05-0.15	2.0	30.0	34.5	0.010	7.41
48x0.75	1	0.6	0.05-0.15	1.7	21.0	24.0	0.012	24.5
48x1.0	1	0.6	0.05-0.15	1.7	22.0	25.5	0.011	18.1
48x1.5	1	0.7	0.05-0.15	1.7	25.5	29.5	0.011	12.1
48x2.5	1	0.8	0.05-0.15	2.0	30.5	35.0	0.010	7.41
52x0.75	1	0.6	0.05-0.15	1.7	21.5	24.5	0.012	24.5
52x1.0	1	0.6	0.05-0.15	1.7	22.5	26.0	0.011	18.1
52x1.5	1	0.7	0.05-0.15	2.0	26.0	30.0	0.011	12.1
52x2.5	1	0.8	0.05-0.15	2.2	31.5	36.0	0.010	7.41
61x0.75	1	0.6	0.05-0.15	1.7	22.5	26.0	0.012	24.5
61x1.0	1	0.6	0.05-0.15	1.7	24.0	27.5	0.011	18.1
61x1.5	1	0.7	0.05-0.15	2.0	28.5	32.5	0.011	12.1
61x2.5	1	0.8	0.05-0.15	2.2	34.0	38.5	0.010	7.41

KVV$_{22}$型ZR-KVV$_{22}$型450/750V铜芯聚氯乙烯绝缘聚氯乙烯护套铜带铠装控制电缆
Type KVV$_{22}$, ZR-KVV$_{22}$ 450/750V Copper Conductor PVC Insulated and Sheathed Control Cable with Copper Tape Shield

芯数X标称截面 Croes x Nom. cross-sectional Area mm^2	导体种类 Kind of conductor	绝缘标称厚度 Nom thickness of Insulation mm	钢带层数X厚度 Nom thickness of Copper tape mm	护套标称厚度 Nom thickness of Sheath mm	平均外径 Mean overall Diameter mm 下限 min	平均外径 Mean overall Diameter mm 上限 max.	最小绝缘电阻 min Resistance of Insulation at ℃ 70Ω·km	最大直流电阻 max D.C. Resistance of at ℃ 20Ω·km
4x2.5	1	0.8	2x0.2(0.3)	1.5	13.0	17.0	0.010	7.41
4x4	1	0.8	2x0.2(0.3)	1.5	14.0	18.5	0.0085	4.61
4x6	1	0.8	2x0.2(0.3)	1.5	15.5	19.0	0.0070	3.08
4x10	2	1.0	2x0.2(0.3)	1.7	19.0	25.0	0.0065	1.83
4x2.5	1	0.8	2x0.2(0.3)	1.5	14.0	18.0	0.010	7.41
4x4	1	0.8	2x0.2(0.3)	1.5	15.0	19.5	0.0085	4.61
4x6	1	0.8	2x0.2(0.3)	1.7	17.0	21.5	0.0070	3.08
4x10	2	1.0	2x0.2(0.3)	1.7	20.5	26.5	0.0065	1.83
7x0.75	1	0.6	2x0.2(0.3)	1.5	11.5	15.5	0.012	24.5
7x1.0	1	0.6	2x0.2(0.3)	1.5	12.0	16.0	0.011	18.1
7x1.5	1	0.7	2x0.2(0.3)	1.5	13.5	17.5	0.011	12.1
7x2.5	1	0.8	2x0.2(0.3)	1.5	15.0	19.0	0.010	7.41
7x4	1	0.8	2x0.2(0.3)	1.5	16.5	20.5	0.0085	4.61
7x6	1	0.8	2x0.2(0.3)	1.7	18.0	22.5	0.0070	3.08
7x10	2	1.0	2x0.2(0.3)	1.7	22.5	28.5	0.0065	1.83
8x0.75	1	0.6	2x0.2(0.3)	1.5	12.5	16.5	0.012	24.5
8x1.0	1	0.6	2x0.2(0.3)	1.5	13.0	17.0	0.011	18.1
8x1.5	1	0.7	2x0.2(0.3)	1.5	14.5	18.5	0.011	12.1
8x2.5	1	0.8	2x0.2(0.3)	1.5	16.5	21.0	0.010	7.41
8x4	1	0.8	2x0.2(0.3)	1.7	18.5	23.0	0.0085	4.61
8x6	1	0.8	2x0.2(0.3)	1.7	20.0	24.5	0.0070	3.08
8x10	2	1.0	2x0.2(0.3)	1.7	25.0	31.5	0.0065	1.83
10x0.75	1	0.6	2x0.2(0.3)	1.5	13.5	18.0	0.012	24.5
10x1.0	1	0.6	2x0.2(0.3)	1.5	14.5	18.5	0.011	18.1
10x1.5	1	0.7	2x0.2(0.3)	1.5	16.0	20.5	0.011	12.1
10x2.5	1	0.8	2x0.2(0.3)	1.7	18.5	23.0	0.010	7.41
10x4	1	0.8	2x0.2(0.3)	1.7	20.5	25.0	0.0085	4.61
10x6	1	0.8	2x0.2(0.3)	1.7	22.5	27.0	0.0070	3.08
10x10	2	1.0	2x0.2(0.3)	2.0	28.5	35.0	0.0065	1.83
12x0.75	1	0.6	2x0.2(0.3)	1.5	14.0	18.0	0.012	24.5
12x1.0	1	0.6	2x0.2(0.3)	1.5	14.5	19.0	0.011	18.1
12x1.5	1	0.7	2x0.2(0.3)	1.5	16.5	20.5	0.011	12.1
12x2.5	1	0.8	2x0.2(0.3)	1.7	19.0	23.5	0.010	7.41
12x4	1	0.8	2x0.2(0.3)	1.7	21.0	25.5	0.0085	4.61
12x6	1	0.8	2x0.2(0.3)	1.7	23.0	28.0	0.0070	3.08
14x0.75	1	0.6	2x0.2(0.3)	1.5	14.5	18.5	0.012	24.5
14x1.0	1	0.6	2x0.2(0.3)	1.5	15.0	19.5	0.011	18.1
14x1.5	1	0.7	2x0.2(0.3)	1.7	17.5	22.0	0.011	12.1
14x2.5	1	0.8	2x0.2(0.3)	1.7	20.0	24.5	0.010	7.41
14x4	1	0.8	2x0.2(0.3)	1.7	22.0	26.5	0.0085	4.61
14x6	1	0.8	2x0.2(0.3)	1.7	24.0	29.0	0.0070	3.08
16x0.75	1	0.6	2x0.2(0.3)	1.5	15.0	19.5	0.012	24.5
16x1.0	1	0.6	2x0.2(0.3)	1.5	16.0	20.0	0.011	18.1
16x1.5	1	0.7	2x0.2(0.3)	1.7	18.0	22.5	0.011	12.1
16x2.5	1	0.8	2x0.2(0.3)	1.7	21.0	25.5	0.010	7.41
19x0.75	1	0.6	2x0.2(0.3)	1.5	15.5	20.0	0.012	24.5
19x1.0	1	0.6	2x0.2(0.3)	1.7	17.0	21.5	0.011	18.1
19x1.5	1	0.7	2x0.2(0.3)	1.7	19.0	23.5	0.011	12.1
19x2.5	1	0.8	2x0.2(0.3)	1.7	22.0	26.5	0.010	7.41
24x0.75	1	0.6	2x0.2(0.3)	1.7	18.0	22.5	0.012	24.5
24x1.0	1	0.6	2x0.2(0.3)	1.7	19.0	23.5	0.011	18.1
24x1.5	1	0.7	2x0.2(0.3)	1.7	21.5	26.5	0.011	12.1
24x2.5	1	0.8	2x0.2(0.3)	1.7	25.0	30.0	0.010	7.41
27x0.75	1	0.6	2x0.2(0.3)	1.7	18.5	23.0	0.012	24.5
27x1.0	1	0.6	2x0.2(0.3)	1.7	19.5	24.0	0.011	18.1
27x1.5	1	0.7	2x0.2(0.3)	1.7	22.0	27.0	0.011	12.1
27x2.5	1	0.8	2x0.2(0.3)	1.7	25.5	30.5	0.010	7.41
30x0.75	1	0.6	2x0.2(0.3)	1.7	19.0	23.5	0.012	24.5
30x1.0	1	0.6	2x0.2(0.3)	1.7	20.0	24.5	0.011	18.1
30x1.5	1	0.7	2x0.2(0.3)	1.7	23.0	27.5	0.011	12.1
30x2.5	1	0.8	2x0.2(0.3)	1.7	26.5	31.5	0.010	7.41
37x0.75	1	0.6	2x0.2(0.3)	1.7	20.5	25.0	0.012	24.5
37x1.0	1	0.6	2x0.2(0.3)	1.7	21.5	26.0	0.011	18.1
37x1.5	1	0.7	2x0.2(0.3)	1.7	24.5	29.5	0.011	12.1
37x2.5	1	0.8	2x0.5	2.0	30.0	35.0	0.010	7.41
44x0.75	1	0.6	2x0.2(0.3)	1.7	22.5	27.0	0.012	24.5
44x1.0	1	0.6	2x0.2(0.3)	1.7	23.5	28.5	0.011	18.1
44x1.5	1	0.7	2x0.2(0.3)	2.0	27.5	33.0	0.011	12.1
44x2.5	1	0.8	2x0.5	2.2	33.5	39.0	0.010	7.41
48x0.75	1	0.6	2x0.2(0.3)	1.7	22.5	27.5	0.012	24.5
48x1.0	1	0.6	2x0.2(0.3)	1.7	24.0	29.0	0.011	18.1
48x1.5	1	0.7	2x0.5	2.0	29.0	34.0	0.011	12.1
48x2.5	1	0.8	2x0.5	2.2	34.0	39.5	0.010	7.41
52x0.75	1	0.6	2x0.2(0.3)	1.7	23.0	28.0	0.012	24.5
52x1.0	1	0.6	2x0.2(0.3)	1.7	24.5	29.5	0.011	18.1
52x1.5	1	0.7	2x0.5	2.0	30.0	35.0	0.011	12.1
52x2.5	1	0.8	2x0.5	2.2	35.0	40.5	0.010	7.41
61x0.75	1	0.6	2x0.2(0.3)	1.7	24.5	29.5	0.012	24.5
61x1.0	1	0.6	2x0.2(0.3)	1.7	26.0	31.0	0.011	18.1
61x1.5	1	0.7	2x0.5	2.0	31.5	36.5	0.011	12.1
61x2.5	1	0.8	2x0.5	2.2	37.0	42.5	0.010	7.41

KVVP型ZR-KVVP型 450/750V铜芯聚氯乙烯绝缘聚氯乙烯护套铜带屏控制电缆
Type KVVP, ZR-KVVR 450/750V Copper Conductor PVC Insulated and Sheathed Flexible Control Cable

芯数X标称截面 Croes x Nom. cross-sectional Area mm²	导体种类 Kind of conductor	绝缘标称厚度 Nom thickness of Insulation mm	护套标称厚度 Nom thickness of Sheath mm	平均外径 Mean overall Diameter mm		最小绝缘电阻 min Resistance of Insulation at ℃ 70Ω·km	最大直流电阻 max D.C. Resistance of at ℃ 20Ω·km
				下限 min	上限 max.		
4x0.5	3	0.6	1.2	7.2	9.0	0.013	39.0
4x0.75	3	0.6	1.2	7.6	9.4	0.011	26.0
4x1.0	3	0.6	1.2	8.0	10.0	0.010	19.5
4x1.5	3	0.7	1.2	9.0	11.5	0.010	13.3
4x2.5	3	0.8	1.2	10.5	13.0	0.009	7.98
5x0.5	3	0.6	1.2	7.8	9.6	0.013	39.0
5x0.75	3	0.6	1.2	8.4	10.5	0.011	26.0
5x1.0	3	0.6	1.2	8.8	11.0	0.010	19.5
5x1.5	3	0.7	1.2	9.8	12.0	0.010	13.3
5x2.5	3	0.8	1.5	12.0	14.5	0.009	7.98
7x0.5	3	0.6	1.2	8.4	10.5	0.013	39.0
7x0.75	3	0.6	1.2	9.0	11.0	0.011	26.0
7x1.0	3	0.6	1.2	9.6	11.5	0.010	19.5
7x1.5	3	0.7	1.2	10.5	13.0	0.010	13.3
7x2.5	3	0.8	1.5	13.0	16.0	0.009	7.98
8x0.5	3	0.6	1.2	9.4	11.5	0.013	39.0
8x0.75	3	0.6	1.2	10.0	12.0	0.011	26.0
8x1.0	3	0.6	1.2	10.5	13.0	0.010	19.5
8x1.5	3	0.7	1.5	12.5	15.0	0.010	13.3
8x2.5	3	0.8	1.5	15.0	17.5	0.009	7.98
10x0.5	3	0.6	1.2	10.5	12.5	0.013	39.0
10x0.75	3	0.6	1.2	11.0	13.5	0.011	26.0
10x1.0	3	0.6	1.5	12.5	15.0	0.010	19.5
10x1.5	3	0.7	1.5	14.0	17.0	0.010	13.3
10x2.5	3	0.8	1.5	16.5	19.5	0.009	7.98
12x0.5	3	0.6	1.2	10.5	13.0	0.013	39.0
12x0.75	3	0.6	1.5	12.0	14.5	0.011	26.0
12x1.0	3	0.6	1.5	12.5	15.5	0.010	19.5
12x1.5	3	0.7	1.5	14.5	17.5	0.010	13.3
12x2.5	3	0.8	1.5	17.5	20.5	0.009	7.98
14x0.5	3	0.6	1.2	11.0	13.5	0.013	39.0
14x0.75	3	0.6	1.5	12.5	15.0	0.011	26.0
14x1.0	3	0.6	1.5	13.5	16.0	0.010	19.5
14x1.5	3	0.7	1.5	15.0	18.0	0.010	13.3
14x2.5	3	0.8	1.5	18.0	21.0	0.009	7.98
16x0.5	3	0.6	1.5	12.5	15.0	0.013	39.0
16x0.75	3	0.6	1.5	13.5	16.0	0.011	26.0
16x1.0	3	0.6	1.5	14.0	17.0	0.010	19.5
16x1.5	3	0.7	1.5	16.0	19.0	0.010	13.3
16x2.5	3	0.8	1.7	19.5	23.0	0.009	7.98
19x0.5	3	0.6	1.5	13.0	15.5	0.013	39.0
19x0.75	3	0.6	1.5	14.0	16.5	0.011	26.0
19x1.0	3	0.6	1.5	15.0	17.5	0.010	19.5
19x1.5	3	0.7	1.5	16.5	20.0	0.010	13.3
19x2.5	3	0.8	1.7	20.5	24.0	0.009	7.98
24x0.5	3	0.6	1.5	15.0	18.0	0.013	39.0
24x0.75	3	0.6	1.5	16.0	19.0	0.011	26.0
24x1.0	3	0.6	1.5	17.0	20.0	0.010	19.5
24x1.5	3	0.7	1.7	20.0	23.5	0.010	13.3
24x2.5	3	0.8	1.7	24.0	27.5	0.009	7.98
27x0.5	3	0.6	1.5	15.0	18.0	0.013	39.0
27x0.75	3	0.6	1.5	16.5	19.5	0.011	26.0
27x1.0	3	0.6	1.5	17.5	20.5	0.010	19.5
27x1.5	3	0.7	1.7	20.5	24.0	0.010	13.3
27x2.5	3	0.8	1.7	24.5	28.5	0.009	7.98
30x0.5	3	0.6	1.5	16.0	18.5	0.013	39.0
30x0.75	3	0.6	1.5	17.0	20.0	0.011	26.0
30x1.0	3	0.6	1.7	18.5	21.5	0.010	19.5
30x1.5	3	0.7	1.7	21.0	25.0	0.010	13.3
30x2.5	3	0.8	1.7	25.5	29.5	0.009	7.98
37x0.5	3	0.6	1.5	17.0	20.0	0.013	39.0
37x0.75	3	0.6	1.7	19.0	21.5	0.011	26.0
37x1.0	3	0.6	1.7	20.0	23.5	0.010	19.5
37x1.5	3	0.7	1.7	22.5	27.0	0.010	13.3
37x2.5	3	0.8	1.7	27.5	31.5	0.009	7.98
44x0.5	3	0.6	1.7	19.5	22.5	0.013	39.0
44x0.75	3	0.6	1.7	21.0	24.5	0.011	26.0
44x1.0	3	0.6	1.7	22.5	26.0	0.010	19.5
44x1.5	3	0.7	1.7	25.5	30.0	0.010	13.3
44x2.5	3	0.8	2.0	32.0	36.0	0.009	7.98
48x0.5	3	0.6	1.7	20.0	23.0	0.013	39.0
48x0.75	3	0.6	1.7	21.5	25.0	0.011	26.0
48x1.0	3	0.6	1.7	23.0	26.5	0.010	19.5
48x1.5	3	0.7	1.7	26.0	30.5	0.010	13.3
48x2.5	3	0.8	2.0	32.5	36.5	0.009	7.98
52x0.5	3	0.6	1.7	20.5	23.5	0.013	39.0
52x0.75	3	0.6	1.7	22.0	25.5	0.011	26.0
52x1.0	3	0.6	1.7	23.5	27.0	0.010	19.5
52x1.5	3	0.7	1.7	26.5	31.0	0.010	13.3
52x2.5	3	0.8	2.0	33.0	37.5	0.009	7.98
61x0.5	3	0.6	1.7	21.5	25.0	0.013	39.0
61x0.75	3	0.6	1.7	23.5	27.0	0.011	26.0
61x1.0	3	0.6	1.7	25.0	28.5	0.010	19.5
61x1.5	3	0.7	2.0	29.0	33.5	0.010	13.3
61x2.5	3	0.8	2.2	35.5	40.5	0.009	7.98

本产品获中国邮电产品入网质量证书
This product won the certificate of quality of China post and telecommunication prodcducts and is permitted to enter into the network.

一、产品标准及适用范围
Product standard and application scope

本产品执行YD/T 332-1996标准，主要用于传输音频150KHz及以下的模拟信号和2048Kbit/s及以下数字信号。

本产品只限室外使用，如需进入室内，应采取防火措施。

This product adapts the standard of YD/T332-1996, It is mainly used for transmission the analog signal of the frequency 150KHz or below and the digital signal of 2048 kbit/s or below. This product is usde in outdoor only, indoor fire prevention equipment should be adopted.

二、型号、名称、使用场合 Type description and application fields

型号Type	名称descriptions	主要使用场合main application fields
HYA	铜芯实芯聚烯烃绝缘挡潮层聚乙烯护套市内通信电缆 Cu core solid polyolefine insulated sheathed cable with PE moisture resistance layer used for city's telecommunication	管道 pipe line
HYAC	铜芯实芯聚烯烃挡潮层聚乙烯护套自承式市内通信电缆 Cu core solid polyolefine insulated sheathed self-supporting cable with PE moisture resistance layer used for city's telecommunication	架空 aerial line
HYA_{23}	铜芯实芯聚烯烃绝缘挡潮层聚乙烯护套双钢带铠装市内通信电缆 Cu core solid polyolefine insulated sheathed cable with PE moisture resistance layer and double sheathed steel tapes armoured used for city's telecommunication	直埋 buried directly

三、规格 Specification

型号Type	标称对数 normal pairs			
	导体标称直径 normal diameter of conductor(mm)			
	0.4	0.5	0.6	0.8
HYA	10-1600	10-1600	10-1000	10-600
HYAC	10-300	10-300	10-200	10-100

四、使用条件电缆工作环境温度为-30-60℃，敷设环境温度不低于-5℃。
Application condition The working ambinent temperature of the cable is -30-60℃ and the laying ambinent temperature is not lower than -5℃.

本产品获中国电工产品认证委员会颁发的认证证书

This product won the authenticated certificate issued by China Commission for conformity Certification of Electrical Equipment.

一、产品标准及适用范围Product shandard and appllication scope

本产品执行GB5013标准，该标准与国际电工委员会IEC245的规定相一致。

This product adapts the standard of GB5013 that equals the standard of IEC245.

本产品适用于交流额定电压U0/U450/750V及以下动力，家用电器和各移动式电气设备和工具用电缆。

This product is suitable for connecting cable of household electric appaliance and all kinds of movable electric equipment and tools where the AC rated voltage (V0/V)is 450/750V or low.

二、产品使用特性Product application feature

1. 电缆线芯的长期允许工作温度不超过65℃。

The permitted working temperature of the cable core in a long time should not be over 65℃

2. "W"型派生电缆具有一定的耐气候和一定的耐油能力，适宜用于户外或接触油污的场合，

The main cable derivated from "W" type has a certain weather-proof and oil tesistance capacity and is suitable for the fields of outdoor or contacting oil.

三、产品型号、名称、规格

The product type, description and specification are listed in the following

型号 Type	名称 description	额定电压 rated voltage,V	芯数 number of core(s)	规格范围 range of specification mm^2
YQ YQW	轻型橡套软电缆 light rubber sheathed flexible cable	300/300	2,3	0.3-0.5
YZ YZW	中型橡套软电缆 medium rubber sheathed flexible cable	300/500	2,3,4,5	0.75-6
YC YCW	重型橡套软电缆 heavy rubber sheathed flexible cable	450/750	1	1.5-400
			2	1.5-95
			3,4	1.5-150
			5	1.5-25
YH YHF	电焊机电缆 cable for welder	200/400	1	16-95

本产品获中国电工产品认证委员会颁发的认证证书

This product won the authenticated certificate issued by China Commission for conformity Certificatian of Electrical Equipment.

一、产品标准及适用范围Product shandard and appllication scope

本产品执行GB5023标准，该标准与国际电工委员会IEC227的规定相一致。

This product addapts the standard of GB5023 that equals the standard of IEC277.

本产品适用于交流额定电压U_0/U450/750v及以下动力，日用电器、仪器仪表及电信设备用的铜芯铝芯聚氯乙烯绝缘电缆（电线）。

This product is suitable for household electric appaliance, instrument and telecommunication equipment used Cu core or Al core PVC insulated cable where the AC rated voltage (U_0/U)is 450/750V or low.

二、使用特性Product application feature

1.电缆的长期允许工作温度：BV-105型应不超过105℃，其它型号应不超过70℃。

The permitted working temperature of the cable in a long time:for BV-105type, should not be over 105℃,and for other cables not over 70℃.

2.固定敷设用电缆（电线）的敷设温度应不低于0℃;允许弯曲半径：电缆外径（D）小于25mm者应不小于4D；电缆外径（D）为25mm及以上者应不小于6D.

The laying temperature of the cable(wire)used for fixed laying should not be below 0℃;the permitted bent radius:if the outer diameter of the cable(D) is less than 25mm.it should not be less than 4D;and if the outer diameter of the cable(D) is 25mm or over, it should not be less than 6D.

三、固定敷设用电缆（电线）型号、名称、规格

See table for description and specification sed for nxed for nxed laying cables(write)

型号 type	名称 description	额定电压 rated voltage,V	芯数 number of core(s)	规格范围 range of spectifcation mm^2
BV	铜芯聚氯乙烯绝缘电缆（电线） Cu core PVC insulated cable(wire)	300/500	1	0.5-1
		450/750	1	1.5-400
BLV	铝芯聚氯乙烯绝缘电缆（电线） Al core PVC insulated cable(wire)	450/750	1	2.5-400
BVR	铜芯聚氯乙烯绝缘软电缆（电线） Cu core PVC insulated flexible cable(wire)	450/750	1	2.5-70
BVV	铜芯聚氯乙烯绝缘聚氯乙烯护套圆型电缆 Cu core PVC insulated PVC sheathed round cable	300/500	1	0.75-10
			2,3a,4,5	1.5-35
BLVV	铝芯聚氯乙烯绝聚氯乙烯护套圆型电线 AL core PVC insulated PVC sheathed round cable(wire)	300/500	1	2.5-10
BVVB	铜芯聚氯乙烯绝聚氯乙烯护套平型电缆(电线) Cu core PVC insulated PVC sheathed single type cable(wire)	300/500	2,3	0.75-10
BLVVB	铝芯聚氯乙烯绝缘聚氯乙烯护套平型电线 AL core PVC insulated PVC sheathed type cable(wire)	300/500	2,3	2.5-10
BV-105	铜芯耐热105℃聚氯乙烯绝缘电线 105℃resistance Cu core PVC insulated wire	450/750	1	0.5-6

四、连接用软电缆（电线）型号、名称、规格
Type,description and specification of connecting flexible cable（wire）

型号 Type	名称 description	额定电压 rated voltage,V	芯数 number of core(s)	规格范围 range of specification mm²
RV	铜芯聚氯乙烯绝缘连接软电缆（电线） Cu core PVC insulated connectiong flexible cable(wire)	300/500	1	0.3-1
		450/450		1.5-7.0
RVB	铜芯聚氯乙烯绝缘平型连接软电缆（电线） Cu core PVC insulated single type connecting flexible wire	300/300	2	0.3-1
RVS	铜芯聚氯乙烯绝缘绞型连接软电缆（电线） Cu core PVC insulated twisted connecting flexible wire	300/300	2	0.3-0.75
RVV	铜芯聚氯乙烯绝缘聚氯乙烯护套圆型软电缆 Cu core PVC insulated PVC sheathed round flexible cable	300/300	2,3	0.5-0.75
		300/500	2,3,4,5	0.75-2.5
RVVB	铜芯聚氯乙烯绝缘聚氯乙烯护套平型软电线 Cu core PVC insulated PVC sheathed single type flexible cable	300/300	2	0.5-0.75
		300/500		0.75
RV-105	铜芯耐热105℃聚氯乙烯绝缘连接软电线 105℃ resistance Cu core PVC insulated connecting flexible wire	450/750	1	0.5-10

五、其他
本公司亦可生产各种型号及规格的阻燃型聚氯乙烯绝缘电缆（电线）。产品的型号表示方法：在普通聚氯乙烯绝缘电缆（电线）的型号前家“ZR”即可。

V.Other
This comany can also produce all kinds of types and specifications of flame retardant pvc insulated cable(wire).The indicating method of the product type is only added the letters of "ZR" before the type of ordinary PVC insulated cable(wire).

一、标准及适用范围 Standard and application scope
本产品按GB6109.7-90标准进行生产，该标准等效采用IEC317-34(1990)适用于130级聚酯漆包铜圆线，如用户需要，也可按GB6109.2-90标准生产155级改性聚酯漆包铜圆线。
This product is produced in accordance with the standard of GB 6109-90 that equals to the standard of IEC317-34(1990). It is suitable for 130 class polyester enamelled copper round wire. If necessary, it may be produced 155 class modified polyester enamelled copper round wire in accordance with the standard of GB 6109.2-90.

二、产品适用特性 Product application feature
130级的产品具有较好的附着性能
130class producs have better adhensive properties
155级的产品具有较高的热冲击性能
155 class producs have high thermal shock function

三、产品型号 Product type

型号 Type	名称 daescription
QZ-1/300	130级薄漆膜聚酯漆包铜圆线 130 class thin paint film polyester enamelled copper round wire
QZ-2/300	130级厚漆膜聚酯漆包铜圆线 130 class thick paint film polyester enamelled copper round wire
QZ(G)1/155	155级薄漆膜改性聚酯漆包铜圆线 155 class thin paint film modified polyester enamelled copper round wire
QZ(G)2/55	155级厚漆膜改性聚酯漆包铜圆线 155 class thick paint film modified polyester enamelled copper round wire

四、产品规格 Product specification

导体标称直径 normal D of conductor	最小漆膜厚度 Min paint film thickness			最大外径 Max.OD			导体标称直径 normal d of conductor	最小漆膜厚度 Min paint film thickness			最大外径 Max.OD		
	1级 1class	2级 2class	3级 3class	1级 1class	2级 2class	3级 3class		1级 1class	2级 2class	3级 3class	1级 1class	2级 2class	3级 3class
0.5000	0.024	0.045	0.067	0.544	0.566	0.587	1.120	0.034	0.065	0.096	1.184	1.217	1.248
0.560	0.025	0.047	0.071	0.606	0.630	0.653	1.250	0.035	0.067	0.100	1.316	1.349	1.381
0.630	0.027	0.050	0.075	0.679	0.704	0.728	1.400	0.036	0.069	0.103	1.468	1.502	1.535
0.710	0.028	0.053	0.080	0.726	0.789	0.814	1.600	0.038	0.071	0.107	1.670	1.706	1.740
0.800	0.030	0.056	0.085	0.855	0.884	0.911	1.800	0.039	0.073	0.110	1.872	1.909	1.944
0.900	0.032	0.060	0.090	0.959	0.989	1.018	2.000	0.040	0.075	0.113	2.074	2.112	2.148
1.000	0.034	0.063	0.095	1.062	1.094	1.124	2.240	0.041	0.077	0.116	2.316	2.355	2.392

一、按GB1179标准生产，也可按用户标准生产。

This produced in accordance with the standard of GB 1179 and may also be produced in accordance with the requirement of customers.

二、型号、名称、规格

Type,description and specification

型号 Type	名称 description	标称截面mm² normal section mm²
LJ	铝绞线 aluminium stranded wires	16-800
LGJ	钢芯铝绞线 steel core aluminium stranded wires	10-800
LGJF	防腐钢芯铝绞线 corrosion resistance steel core aluminium stranded wires	10-800

一、标准及适用范围 Standard and application scope

本产品按国家标准GB14049-93进行生产，适用于交流额定电压U(Um)为10(12)kv/35(42)kv的架空电力线路用铜芯、铝芯交联聚乙烯的高密度聚乙烯绝缘架空电缆。

This product is produced in accordance with the standard of GB 14049-93. The products, Cu or Al core XLPE and HDPE aerial insulated electric power cables, may be used the fields where the AC rated voltage V(Vm) is 10(12)kv,35(42)kv individually

二、使用特性Application features

电缆导体的最高长期允许工作温度（有承载结构电缆）1. 交联聚乙烯绝缘90℃，2.高密度聚乙烯绝缘75℃，短路时（最长持续时间不超过5秒钟）电缆最高温度交联聚乙烯绝缘250℃，高密度聚乙烯绝缘150℃，电缆敷设温度应不低于2-20℃；电缆的允许弯曲半径不小于电缆变曲试验时用圆柱体直径。

The Max.permitted working temperature of the cable's conductor(cable having supporting structure) is:1 XLPE insulated electric power cable 90℃; 2. HDPE insulated electric power cable 75℃; when short circuit (the Max. lasting time is not over 5 seconds) ,the Max. temperature of the cable; insulated 250℃; 2.HDPE insulated 150℃; when laying; the temperature should not be low than 2-20℃; the Min.Permitted bent radius should not be less than the diameter of cylinderthat had been used for the bend testing.

型号 Type	名称 description	主要用途 main applications
JKYJ	铜芯交联聚乙烯绝缘架空电缆 Cu core XLPE aerial insulated cable	架空固定敷设，软铜芯产品用于变压器引线，电缆架设时，应考虑与树木保持一定距离电缆运行时，允许电缆和树木频繁接触。Aerial and fixed laying,the product of soft copper or is used for leding wire of transformer. When laying,a certain distance must be kept between the cable and the tree. when operation,the cable on contact with the tree frequently.
JKTRYJ	软铜芯交联聚乙烯绝缘架空电缆 flexible Cu core XLPE aerial insulated cable	
JKLYJ	铝芯交联聚乙烯绝缘架空电缆 Al core XLPE aerial insulated cable	
JKY	铜芯聚乙烯绝缘架空电缆 Cu core PE aerial insulated cable	
JKTRY	软铜芯聚乙烯绝缘架空电缆 flexible cu core PE aerial insulated cable	
JKLY	铝芯聚乙烯绝缘架空电缆 Al core PE aerial insulated cable	
JKLYJ/B	铝芯本色交联聚乙烯绝缘架空电缆 Al core with essential color XLPE aerial insulated cable	as above
JKLYJ/Q	铝芯轻型交联聚乙烯薄绝缘架空电缆 Al core light XLPE aerial thin insulated cable	电缆架设时，应考虑与树木保持一定距离，运行时只允许电缆与树木作短时接触 Aerial and fixed laying. when laying,a certion distance must be kept between the tree. When operation,the cable can contact with the tree in a short time.
JKLY/Q	铝芯轻型聚乙烯薄绝缘架空电缆 Al core light PE aerial thin insulated cable	

三、额定电压10KV、35KV架空绝缘电缆规格

Aerial insulated cable with rated voltage 10KV and 35KV

型号 Type	芯数(number of core(s)	额定电压(KV)rated voltage	
		10	35
		标称截面mm² normal section,mm²	
JKYJ JKTRYT JKLYJ	1	10-300	50-300
	3	25-300	/
	3+K(A) OR 3+K(B)	25-300	/
		其中K25-120 in which,K is 25-120	/
JKY JKTRY JKLY JKLJ/Q JKLY/Q	1	10-300	/
JKL YJ/B	3	25-300	/
	3+K(A) OR 3+K(B)	25-300	/
		其中K25-120 in which,K is 25-120	/

注：①其中K为承载绞线，按工程设计要求，可任选2中规定截面与相应导体截面相匹配。②其中（A）表钢承载绞线，（B）为铝合金承载绞线。

Note:

1. In which, K is a supporting twisted wire, according to the requirenent of the project, the specified section listed in table 2 may be selected to match with related conductor's section. 2. In which, (A) is a steel supporting twisted wire, and (B) is a Al alloy supporting twisted wire.

一、标准及适用范围Standard and application scope

本产品按GB12527-90标准进行生产，该标准参照采用IEC502、IEC227，适用于交流额定电压为0.6/1kv及以下架空电力线路用绝缘架空电缆。

This product is produced in accordance with the standard of GB 12527-90 that is made by referring and adapting the standards of IEC 502 and IEC 227. and it is suitable for aerial insulated cable with AC rated voltage 0.6/1kv or less.

二、使用特性Application feature

电缆导体的长期允许工作温度 1聚氯乙烯、聚乙烯绝缘应不超过70℃；2交联聚乙烯绝缘应不超过90℃，电缆的敷设温度应不低于-20℃；电缆的允许弯曲半径1电缆外径(D)小于25mm者应小于25mm者应不小于4D；2电缆外径（D）为25mm及以上者，应不小于6D。

The permitted working temperature of cable' conductor in a long time is :1.For PVC and PE insulated should not be over 70℃; 2. For XLPE insulated should not be over 90℃; the laying temperature of the cable should not be below-20℃; the permitted bent radius of the cable: 1.If the overall diameter or the cable (D) is less than 25mm . it should not be less than 4(D); 2. If the overall diameter of the cable(D) is 25mm or more, it should not be less than 6(D)

三、电缆的型号Type of the cable

型号Type	名称 description	主要用途 main applications
JKV-0.6/1	额定电压0.6/1kv铜芯聚氯乙烯绝缘架空电缆 Cu core PVC aerial insulated cable with rated voltage 0.6/1KV	架空固定敷设、引户线等 aeril, fixed laying and leading write
JKLV-0.6/1	额定电压0.6/1kv铝芯聚氯乙烯绝缘架空电缆 Al core PVC aerial insulated cable with rated voltage 0.6/1KV	
JKY-0.6/1	额定电压0.6/1KV铜芯聚乙烯绝缘架空电缆 Cu core PE aerial insulated cable with rated voltage 0.6/1kv	
JKLY-0.6/1	额定电压0.6/1KV铝芯聚乙烯绝缘架空电缆 Al core PE aerial insulated cable with rated volitage 0.6/1KV	
JKYJ-06/1	额定电压0.6/kV铜芯交联聚乙烯绝缘架空电缆 Cu core XLPE aerial insulated cable with rated voltage 0.6/1KV	
JKLYJ-0.6/1	额定电压0.6/1kV铝芯交联聚乙烯绝缘架空电缆 AL core XLPE aerial insulated cable with rated voltage 0.6/1KV	

四、电缆规格

Specifition of the cable

型号Type	芯数number of core(s)	标称截面mm² normal section, mm²
JKV,JKLV,JKY,JKLY,JKYJ,JKLYJ	1	16-240
	2,4	10-120
JKLV,JKLY,JKLYJ	3+k	10-120

注：①K为带承载的中性根体，根据配电工程要求，任选其中截面与主线芯搭配。

Notes:

1. K is neutral conductor with supporting. It may be selected in accordance with the requirement of the project in order to match with the main wire.

一、按GB3952标准生产，也可按用户标准生产。

This product is produced in accordande with the standard of GB3952, and may also be produced in accrdance with the requirement of customers.

二、型号、名称Type and description

型号 Type	名称 description
TW-1	1级无氧圆铜杆 the first class oxygen-free copper roads
TW-2	2级无氧圆铜杆 the second class oxygen-free copper roads

三、尺寸偏差 Size diviation

标称直径 normaral diameter	名称 description
8.0	±0.4
9.5	±0.5
12.0	±0.6
14.4	±0.7

样本表中计算数据供参考

The calculated data listed in this catalogue are reference only.