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## 交联聚乙烯绝缘电力电缆 XLPE INSULATED ELECTRIC CABLE



打造电缆行业具有国际先进水平的知名品牌

To create the well known brand of advanced international level in cable industry

锐洋集团 / RUIYANG Group

*RuiYang Group Northest Cable Co.,LTD*

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

## 一、用途 Usage

电缆用于额定电压 0.6/1,1.8/3,3.6/6,6/6,6/10,8.7/10,8.7/15,12/20,21/35,26/35kV 输配电系统。

The cable is used in electric transmission and distribution system operation at rated voltage of 0.6/1,1.8/3,3.6/6,6/6,6/10,8.7/10,8.7/15,12/20,21/35,26/35kV

## 二、型号及名称(见表 1) Model and name(see table 1)

表 1  
table 1

型号 Model	名称 Name
YJV YJLV	铜芯或铝芯交联聚乙烯绝缘,聚氯乙烯护套电力电缆 Cu or Al conductor,XLPE insulated,PVC sheathed electric cable
YJV22 YJLV22	铜芯或铝芯交联聚乙烯绝缘,钢带铠装聚氯乙烯护套电力电缆 Cu or Al conductor,XLPE insulated steel tape armoured PVC sheathed electric cable
YJV32.42 YJLV32.42	铜芯或铝芯交联聚乙烯绝缘,钢丝铠装聚氯乙烯护套电力电缆 Cu or Al conductor,XLPE insulated steel tape armoured PVC sheathed electric cable

## 三、结构尺寸、技术参数(见表 2-14) Structure size,technology parameters(see table2-14)

YJV-0.6/1kV 交联电力电缆

表 2  
table 2

导线标称截面 Nominal-Cross sectional area of conductor (mm <sup>2</sup> )	绝缘厚度 Insulation thickness (mm)	护套厚度 Sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx.weight of cable (mm)		导线直流电阻 D.C resistance of conductor(Ω/km)		试验电压 Testing voltage A.C. (kV/5min)	绝缘电阻 Insulation resistance <sup>90</sup> °C (MΩkm)	电缆载流量			
										在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
				Cu	Al	Cu	Al			Cu	Al	Cu	Al
1 × 1.5	0.7	1.5	6	53	-	≤12.1	-	3.5	≥1.10	-	-	-	-
1 × 2.5	0.7	1.5	6	68	53	≤7.41	≤12.1	3.5	≥0.916	-	-	-	-
1 × 4	0.7	1.5	7	87	64	≤4.61	≤7.41	3.5	≥0.757	-	-	60	50
1 × 6	0.7	1.5	7	110	73	≤3.08	≤4.61	3.5	≥0.645	-	-	70	55
1 × 10	0.7	1.5	8	155	95	≤1.83	≤3.08	3.5	≥0.523	-	-	95	75
1 × 16	0.7	1.5	9	220	120	≤1.15	≤1.91	3.5	≥0.431	-	-	125	100
1 × 25	0.9	1.5	10	345	190	≤0.727	≤1.20	3.5	≥0.444	123	95	160	130
1 × 35	0.9	1.5	12	424	207	≤0.524	≤0.868	3.5	≥0.379	149	115	190	150
1 × 50	1.0	1.5	13	555	245	≤0.387	≤0.641	3.5	≥0.355	190	147	225	180
1 × 70	1.1	1.5	14	770	336	≤0.268	≤0.443	3.5	≥0.335	231	179	280	225
1 × 95	1.1	1.5	16	1040	455	≤0.193	≤0.320	3.5	≥0.290	285	221	335	270
1 × 120	1.2	1.5	18	1290	550	≤0.153	≤0.253	3.5	≥0.282	332	257	380	305
1 × 150	1.4	2.0	21	1590	650	≤0.124	≤0.206	3.5	≥0.294	380	294	425	340
1 × 185	1.6	2.0	23	1944	804	≤0.0991	≤0.164	3.5	≥0.303	439	390	480	375
1 × 240	1.7	2.0	25	2510	1021	≤0.0754	≤0.125	3.5	≥0.283	529	410	555	435
1 × 300	1.8	1.8	27.8	3026	1162	≤0.0601	≤0.1	3.5	≥0.260	620	485	605	475
1 × 400	2.0	2.0	31.5	3860	1476	0.047	0.078	3.5	≥0.250	720	570	685	545
2 × 1.5	0.7	1.8	10.4	116	97	≤12.1	-	3.5	≥1.10	20	-	17	-
2 × 2.5	0.7	1.8	11.2	145	113	≤7.41	≤12.1	3.5	≥0.916	33	25	46	36
2 × 4	0.7	1.8	12.2	185	135	≤4.61	≤7.41	3.5	≥0.757	43	34	59	47

2 × 6	0.7	1.8	13.2	236	161	≤3.08	≤4.61	3.5	≥0.645	55	45	75	61
2 × 10	0.7	1.8	15.8	348	221	≤1.83	≤3.08	3.5	≥0.523	76	58	100	78
2 × 16	0.7	1.8	17.8	487	286	≤1.15	≤1.91	3.5	≥0.431	97	75	130	100
2 × 25	0.9	1.8	21.2	718	401	≤0.727	≤1.20	3.5	≥0.444	130	100	165	130
2 × 35	0.9	1.8	22.4	907	473	≤0.524	≤0.868	3.5	≥0.379	160	120	200	155
2 × 50	1.0	1.8	25.4	1189	603	≤0.387	≤0.641	3.5	≥0.355	195	150	240	185
2 × 70	1.1	1.8	28.8	1642	793	≤0.268	≤0.443	3.5	≥0.335	245	190	290	225
2 × 95	1.1	2.0	32.6	2220	1041	≤0.193	≤0.32	3.5	≥0.290	305	235	355	275
2 × 120	1.2	2.1	36.2	2769	1282	≤0.153	≤0.253	3.5	≥0.282	355	275	405	395
2 × 150	1.4	2.2	40.2	3404	1570	≤0.124	≤0.206	3.5	≥0.294	405	315	450	350
2 × 185	1.6	2.3	44.4	4222	1926	≤0.0991	≤0.164	3.5	≥0.303	465	365	510	395
2 × 240	1.7	2.5	49.8	5472	2455	≤0.0754	≤0.125	3.5	≥0.283	542	424	588	465
2 × 300	1.8	2.7	55.0	6804	3018	≤0.0601	≤0.1	3.5	≥0.260	627	492	664	524
2 × 400	2.0	2.9	62.0	8654	3814	≤0.047	≤0.078	3.5	≥0.250	723	576	723	600
3 × 1.5	0.7	1.5	10	145	-	≤12.1	-	3.5	≥1.10	-	-	-	-
3 × 2.5	0.7	1.5	11	185	140	≤7.41	≤12.1	3.5	≥0.916	20	15	-	-
3 × 4	0.7	1.5	12	250	175	≤4.61	≤7.41	3.5	≥0.757	27	21	30	30
3 × 6	0.7	1.5	13	320	210	≤3.08	≤4.61	3.5	≥0.645	35	27	60	37

导线标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	绝缘厚度 Insulation thickness (mm)	护套厚度 Sheath thickness (mm)	电缆近似外 径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx.weight of cable (mm)		导线直流电阻 D.C resistance of conductor(Ω/km)		试验电压 Testing voltage A.C. (kV/5min)	绝缘电阻 Insulation resistance90 ℃ (MΩkm)	电缆载流量 Current rating			
				Cu	Al	Cu	Al			在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
										Cu	Al	Cu	Al
3 × 10	0.7	1.8	15	450	260	≤1.83	≤3.08	3.5	≥0.523	49	38	65	50
3 × 16	0.7	1.8	17	640	340	≤1.15	≤1.91	3.5	≥0.431	67	52	88	68
3 × 25	0.9	1.8	21	940	470	≤0.727	≤1.20	3.5	≥0.444	89	69	113	87
3 × 35	0.9	1.8	23	1260	600	≤0.524	≤0.868	3.5	≥0.379	106	82	136	105
3 × 50	1.0	1.8	27	1670	730	≤0.387	≤0.641	3.5	≥0.355	135	104	167	120
3 × 70	1.1	1.9	30	2280	970	≤0.268	≤0.443	3.5	≥0.335	167	129	196	152
3 × 95	1.1	2.0	34	3020	1240	≤0.193	≤0.320	3.5	≥0.290	200	155	233	180
3 × 120	1.2	2.1	38	3790	1540	≤0.153	≤0.253	3.5	≥0.282	214	181	267	207
3 × 150	1.4	2.3	42	4750	1940	≤0.124	≤0.206	3.5	≥0.294	273	211	306	237
3 × 185	1.6	2.4	45	5654	2248	≤0.0991	≤0.164	3.5	≥0.303	318	246	341	264
3 × 240	1.7	2.6	51	7243	2723	≤0.0754	≤0.125	3.5	≥0.283	380	294	400	310
3 × 300	1.8	2.8	59.1	9646	3969	≤0.0601	≤0.1	3.5	≥0.260	555	435	565	445
3 × 400	2.0	3.1	66.8	12306	5046	≤0.047	≤0.078	3.5	≥0.250	640	510	640	510
4 × 4	0.7	1.8	13	253	155	≤4.61	≤7.41	3.5	≥0.757	27	21	39	30
4 × 6	0.7	1.8	14	337	184	≤3.08	≤4.61	3.5	≥0.645	35	27	48	37
4 × 10	0.7	1.8	16	501	258	≤1.83	≤3.08	3.5	≥0.523	49	38	65	50
4 × 16	0.7	1.8	19	778	366	≤1.15	≤1.91	3.5	≥0.431	67	52	88	68
4 × 25	0.7	1.8	22	1160	540	≤0.727	≤1.20	3.5	≥0.444	89	69	113	87
4 × 35	0.9	1.8	25	1554	686	≤0.524	≤0.868	3.5	≥0.379	106	82	136	105
4 × 50	1.0	1.8	28	2148	907	≤0.387	≤0.641	3.5	≥0.355	135	104	167	129
4 × 70	1.1	2.0	32	2928	1192	≤0.268	≤0.443	3.5	≥0.335	167	129	196	152
4 × 95	1.1	2.1	37	3854	1598	≤0.193	≤0.320	3.5	≥0.290	200	135	233	180
4 × 120	1.2	2.3	42	4925	1949	≤0.153	≤0.253	3.5	≥0.282	234	181	267	207
4 × 150	1.4	2.4	46	6238	2517	≤0.124	≤0.206	3.5	≥0.294	273	211	306	237
4 × 185	1.6	2.6	51	7562	3091	≤0.0991	≤0.164	3.5	≥0.303	318	246	341	264
4 × 240	1.7	2.8	57	9836	3825	≤0.0754	≤0.125	3.5	≥0.283	380	294	400	310
4 × 400	2.0	3.3	74.4	16166	6486	≤0.047	≤0.078	3.5	≥0.250	640	510	640	510
3 × 4+1 × 2.5	0.7	1.8	13	236	147	≤4.61	≤7.41	3.5	≥0.757	27	30	50	40
3 × 6+1 × 4	0.7	1.8	14	316	187	≤3.08	≤4.61	3.5	≥0.645	35	40	60	45
3 × 10+1 × 6	0.7	1.8	16	461	234	≤1.83	≤3.08	3.5	≥0.523	49	50	80	60
3 × 16+1 × 10	0.7	1.8	18	679	322	≤1.15	≤1.91	3.5	≥0.431	67	65	100	80

3 × 25+1 × 16	0.9	1.8	22	1065	505	≤0.727	≤1.20	3.5	≥0.444	89	90	130	100
3 × 35+1 × 16	0.9	1.8	24	1360	615	≤0.524	≤0.868	3.5	≥0.379	106	110	155	120
3 × 50+1 × 25	1.0	1.8	28	1901	816	≤0.387	≤0.641	3.5	≥0.355	135	130	185	140
3 × 70+1 × 35	1.1	1.9	31	2585	1085	≤0.268	≤0.443	3.5	≥0.335	167	170	225	175
3 × 95+1 × 50	1.1	2.1	36	3518	1440	≤0.193	≤0.320	3.5	≥0.290	200	205	270	210
3 × 120+1 × 70	1.2	2.2	40	4443	1766	≤0.153	≤0.253	3.5	≥0.282	234	240	305	235
3 × 150+1 × 70	1.4	2.3	44	5326	2100	≤0.124	≤0.206	3.5	≥0.294	273	275	345	265
3 × 185+1 × 95	1.6	2.5	48	6682	2650	≤0.0991	≤0.164	3.5	≥0.303	318	320	390	301
3 × 240+1 × 120	1.7	2.7	53	8501	3291	≤0.0754	≤0.125	3.5	≥0.283	380	385	455	355
3 × 300+1 × 150	1.8	2.9	61.5	11043	4462	≤0.0601	≤0.1	3.5	≥0.260	555	435	565	445
3 × 400+1 × 185	2.0	3.1	69.3	14026	5635	≤0.047	≤0.078	3.5	≥0.250	640	510	640	510