

YJLV22、YJV22-0.6/1kV 钢带铠装交联电力电缆

表 8

table 8

导线标称截面 Nominal Cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	内护套厚度 Inner Sheath thickness (mm)	钢带厚度 Steel tape diameter (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℃ (MΩ/km)	电缆载流量 Current rating			
												在空气中 In air(A)		直埋土壤中 Direct in soil (A)	
						Cu	Al	Cu	Al			Cu	Al	Cu	Al
3 × 1.5	0.7	1.8	2×0.3	1.5	13	273	-	≤12.1	-	3.5	≥1.10	15	-	22	-
3 × 2.5	0.7	1.8	2×0.3	1.5	14	321	275	≤7.41	≤12.1	3.5	≥0.916	19	15	29	23
3 × 4	0.7	1.8	2×0.3	1.5	15	390	315	≤4.61	≤7.41	3.5	≥0.757	26	20	38	30
3 × 6	0.7	1.8	2×0.3	1.5	16	471	360	≤3.08	≤4.61	3.5	≥0.645	32	26	47	39
3 × 10	0.7	1.8	2×0.3	1.5	18	622	433	≤1.83	≤3.08	3.5	≥0.523	46	35	65	50
3 × 16	0.7	1.8	2×0.5	2.0	22	1005	705	≤1.15	≤1.91	3.5	≥0.431	60	47	84	65
3 × 25	0.9	1.8	2×0.5	2.0	25	1371	898	≤0.727	≤1.20	3.5	≥0.444	77	60	110	84
3 × 35	0.9	1.8	2×0.5	2.0	27	1724	1061	≤0.524	≤0.868	3.5	≥0.379	95	74	130	100
3 × 50	1.0	1.8	2×0.5	2.0	30	2247	1300	≤0.387	≤0.641	3.5	≥0.355	115	90	155	120
3 × 70	1.1	2.0	2×0.5	2.5	35	3023	1697	≤0.268	≤0.443	3.5	≥0.335	145	115	195	150
3 × 95	1.1	2.1	2×0.5	2.5	39	3825	2026	≤0.193	≤0.320	3.5	≥0.290	185	140	230	185
3 × 120	1.2	2.3	2×0.5	2.5	42	4642	2370	≤0.153	≤0.253	3.5	≥0.282	211	165	260	205
3 × 150	1.4	2.4	2×0.5	3.0	48	5767	2926	≤0.124	≤0.206	3.5	≥0.294	245	191	300	230
3 × 185	1.6	2.6	2×0.5	3.0	51	6895	3391	≤0.0991	≤0.164	3.5	≥0.303	280	215	335	260
3 × 240	1.7	2.7	2×0.5	3.0	56	8617	4072	≤0.0754	≤0.125	3.5	≥0.283	335	260	390	300
4 × 4	0.7	1.8	2×0.3	1.5	16	454	354	≤4.61	≤7.41	3.5	≥757	26	20	38	30

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导线标称截面 Nominal Cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	内护套厚度 Inner Sheath thickness (mm)	钢带厚度 Steel tape diameter (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 90 ℃ (MΩ/km)	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
4 × 6	0.7	1.8	2 × 0.3	1.5	17	557	409	≤3.08	≤4.61	3.5	≥0.645	32	26	47	39
4 × 10	0.7	1.8	2 × 0.3	2.0	20	791	539	≤1.83	≤3.08	3.5	≥0.523	46	35	65	50
4 × 16	0.7	1.8	2 × 0.5	2.0	23	1210	810	≤1.15	≤1.91	3.5	≥0.431	60	47	84	65
4 × 25	0.9	1.8	2 × 0.5	2.0	27	1672	1041	≤0.727	≤1.20	3.5	≥0.444	77	60	110	84
4 × 35	0.9	1.8	2 × 0.5	2.0	29	2127	1243	≤0.524	≤0.868	3.5	≥0.379	95	74	130	100
4 × 50	1.0	1.9	2 × 0.5	2.0	33	2802	1539	≤0.387	≤0.641	3.5	≥0.355	115	90	155	120
4 × 70	1.1	2.1	2 × 0.5	2.5	38	3785	2017	≤0.268	≤0.443	3.5	≥0.335	145	115	195	150
4 × 95	1.1	2.3	2 × 0.5	2.5	42	4829	2430	≤0.193	≤0.320	3.5	≥0.290	185	140	230	185
4 × 120	1.2	2.4	2 × 0.5	3.0	47	6033	3003	≤0.153	≤0.253	3.5	≥0.282	211	165	260	205
4 × 150	1.4	2.6	2 × 0.5	3.0	52	7356	3568	≤0.124	≤0.206	3.5	≥0.294	245	191	300	230
4 × 185	1.6	2.7	2 × 0.5	3.0	56	8808	4134	≤0.0991	≤0.164	3.5	≥0.303	280	215	335	260
4 × 240	1.7	2.9	2 × 0.5	3.0	62	11182	5122	≤0.0754	≤0.125	3.5	≥0.283	335	260	390	300
3 × 4+1 × 2.5	0.7	1.8	2 × 0.3	1.5	16	443	336	≤4.61	≤7.41	3.5	≥0.757	26	20	38	30
3 × 6+1 × 4	0.7	1.8	2 × 0.3	1.5	17	531	402	≤3.08	≤4.61	3.5	≥0.645	32	26	47	39
3 × 10+1 × 6	0.7	1.8	2 × 0.3	2.0	20	741	521	≤1.83	≤3.08	3.5	≥0.523	46	35	65	50
3 × 16+1 × 10	0.7	1.8	2 × 0.5	2.0	23	1135	785	≤1.15	≤1.91	3.5	≥0.431	60	47	84	65
3 × 25+1 × 16	0.9	1.8	2 × 0.5	2.0	26	1556	1004	≤0.727	≤1.20	3.5	≥0.444	77	60	110	84
3 × 35+1 × 16	0.9	1.8	2 × 0.5	2.0	28	1896	1132	≤0.524	≤0.868	3.5	≥0.379	95	74	130	100
3 × 50+1 × 25	1.0	1.9	2 × 0.5	2.0	31	2518	1412	≤0.387	≤0.641	3.5	≥0.355	115	90	155	120
3 × 70+1 × 35	1.1	2.0	2 × 0.5	2.5	36	3293	1846	≤0.268	≤0.443	3.5	≥0.335	145	115	195	150
3 × 95+1 × 50	1.1	2.2	2 × 0.5	2.5	40	4349	2250	≤0.193	≤0.320	3.5	≥0.290	185	140	230	185
3 × 120+1 × 70	1.2	2.3	2 × 0.5	2.5	44	5365	2714	≤0.153	≤0.253	3.5	≥0.282	211	165	260	205
3 × 150+1 × 70	1.4	2.5	2 × 0.5	3.0	49	6468	3154	≤0.124	≤0.206	3.5	≥0.294	245	191	300	230
3 × 185+1 × 95	1.6	2.6	2 × 0.5	3.0	52	7854	3765	≤0.0991	≤0.164	3.5	≥0.303	280	215	335	260
3 × 240+1 × 120	1.7	2.8	2 × 0.5	3.5	78	9814	4512	≤0.0754	≤0.125	3.5	≥0.283	335	260	390	300