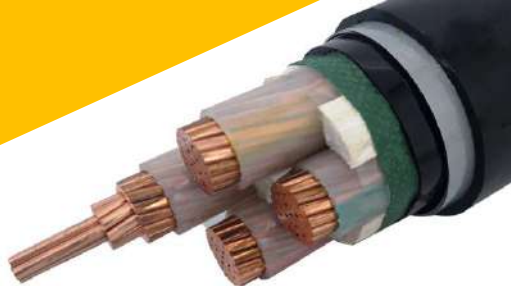
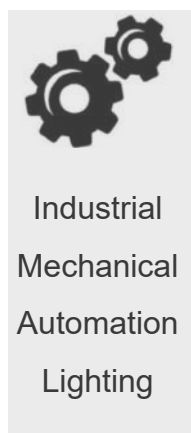


Low Voltage Power Cable YJV/YJLV

 **SHENXING CABLE GROUP**



APPLICATION



Industrial
Mechanical
Automation
Lighting



Buildings
Hospital
Commercial
Station



City power



Site power



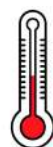
Agricultural
irrigation



Fishery



**Safe
Reliable**



**Working
temperature:
90°C**



**Wide
Application**



**Long
service life**

Conductor



- ✓ 99.99% copper
- ✓ High conductivity
- ✓ Low loss
- ✓ Stable transmission



- ✓ 99.99% aluminum
- ✓ Low cost
- ✓ Light weight
- ✓ Easy construct



**Cost
savings**



**Energy
saving**



**Easy
Installation**

Insulator

XLPE: Strong insulation, anti-cracking, high temperature resistance, corrosion resistance, WD

Armor layer

Double layer steel armor: Anti-corrosion, anti-tension, anti-compression, anti-penetration

Outer sheath layer

pvc: Good flexibility, anti-cracking, anti-freeze and waterproof, NZ, oil resistant, wear resistant, acid and alkali resistant, long service life.

Experimental performance

Rated voltage: U0/U0.6/1KV

Maximum operating temperature 90°C

When short-circuited (no more than 5 seconds), the maximum conductor temperature is 250°C

Laying temperature $\geq 0^{\circ}\text{C}$

Tensile strength $\geq 12.5\text{N/mm}^2$

Cable bending radius:

Single core: $20D \pm 5\%$

Multi-core unarmored: $15D \pm 5\%$



Multi-core armored: $12D \pm 5\%$

Low Voltage Power Cable YJV/YJLV

 **SHENXING CABLE GROUP**



Accept customization

NO. OF COND.	WD (mm)	CSA (mm ²)	I.D (mm)	Resistance (Ω/km)		Current (A)		No Armor				With steel armor					
								Sheath THK (mm)	OD (mm)	weight kg/km		Sheath THK (mm)	Armour THK (mm)	OD (mm)	weight kg/km		
				CU	AL	CU	AL			CU	AL				CU	AL	
 Single core	2.3	4	0.7	4.61	7.41	77/56	61/44	1.4	6.4	83	63						
	2.8	6	0.7	3.08	4.61	97/70	79/57	1.4	7.9	107	70						
	3.6	10	0.7	1.83	3.08	130/97	100/75	1.4	8.3	158	95						
	4.5	16	0.7	1.15	1.91	170/125	135/99	1.4	9.3	222	122						
	6.0	25	0.9	0.727	1.2	220/165	170/125	1.5	11.2	335	176						
	7.0	35	0.9	0.524	0.868	265/200	205/155	1.5	12.4	436	212						
	8.3	50	1.0	0.387	0.641	320/245	245/190	1.6	14.1	577	279						
	9.8	70	1.1	0.268	0.443	395/305	305/240	1.6	16.1	794	363						
	11.5	95	1.1	0.193	0.32	475/375	370/290	1.7	18.2	1066	467						
	12.9	120	1.2	0.153	0.253	545/435	420/340	1.7	20.5	1321	566						
	14.5	150	1.4	0.124	0.206	610/500	475/390	1.7	22.0	1606	678						
	16.0	185	1.6	0.0991	0.164	695/580	540/450	1.7	24.2	1977	813						
	18.3	240	1.7	0.0754	0.125	810/685	630/535	1.7	27.1	2548	1018						
	20.5	300	1.8	0.0601	0.1	910/795	710/615	1.7	29.1	3151	1232						
 Dual Cores	1.8	2.5	0.7	7.41	12.1	40/30	32/25	1.8	10.8	127	96	1.8	0.2x2	12.6	219	188	
	2.3	4	0.7	4.61	7.41	55/42	45/32	1.8	11.7	165	115	1.8	0.2x2	13.5	265	216	
	2.8	6	0.7	3.08	4.61	65/35	50/42	1.8	12.7	215	139	1.8	0.2x2	14.5	325	250	
	3.6	10	0.7	1.83	3.08	90/70	70/55	1.8	15.3	324	196	1.8	0.2x2	17.1	447	319	
	4.5	16	0.7	1.15	1.91	110/92	90/75	1.8	17.4	461	358	1.8	0.2x2	19.2	602	399	
	6.0	25	0.9	0.727	1.2	140/128	120/100	1.8	20.8	692	369	1.8	0.2x2	22.6	863	541	
	7.0	35	0.9	0.524	0.868	180/160	140/130	1.8	23.1	907	461	1.8	0.2X2	24.9	1099	652	
	8.3	50	1.0	0.387	0.641	210/190	160/150	1.8	26.2	1194	589	1.8	0.5x2	28	1412	807	
	9.8	70	1.1	0.268	0.443	250/250	200/190	1.8	30.6	1972	797	1.9	0.5x2	32.5	1577	709	
	11.5	95	1.1	0.193	0.32	285/300	230/240	2.0	34.8	2265	2052	2.0	0.5x2	38	2898	1685	
	12.9	120	1.2	0.153	0.253	330/350	260/290	2.1	38.6	2832	1299	2.1	0.5x2	41.8	3534	2001	
	14.5	150	1.4	0.124	0.206	375/400	300/330	2.2	42.7	3472	1589	2.2	0.5x2	46.1	4268	2385	
	16.0	185	1.6	0.0991	0.164	420/460	340/370	2.3	47.5	4307	1945	2.3	0.5x2	50.9	5190	2828	
	18.3	240	1.7	0.0754	0.125	500/550	400/440	2.5	53.5	5637	2532	2.5	0.5x2	56.9	6589	3483	
	20.5	300	1.8	0.0601	0.1	580/600	510/560	2.7	59.2	6932	3037	2.7	0.5x2	62	7995	5101	

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Low Voltage Power Cable YJV/YJLV

 **SHENXING CABLE GROUP**



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NO. OF COND.	WD (mm)	CSA (mm ²)	I.D (mm)	Resistance (Ω/km)		Current (A)		No Armor				With steel armor					
								Sheath THK (mm)	OD (mm)	weight kg/km		Sheath THK (mm)	Armour THK (mm)	OD (mm)	weight kg/km		
				CU	AL	CU	AL			CU	AL				CU	AL	
 Three cores	1.8	2.5	0.7	7.41	12.1	35/26	27/20	1.8	11.3	159	111	1.8	0.2x2	13.1	255	208	
	2.3	4	0.7	4.61	7.41	45/34	36/27	1.8	12.2	210	136	1.8	0.2x2	14.0	317	242	
	2.8	6	0.7	3.08	4.61	57/43	46/35	1.8	13.4	280	167	1.8	0.2x2	15.2	397	284	
	3.6	10	0.7	1.83	3.08	77/60	59/47	1.8	16.1	431	238	1.8	0.2x2	17.9	561	369	
	4.5	16	0.7	1.15	1.91	105/83	80/64	1.8	18/4	624	318	1.8	0.2x2	20.2	773	469	
	6.0	25	0.9	0.727	1.2	125/105	100/82	1.8	22.1	947	464	1.8	0.2x2	23.9	1130	646	
	7.0	35	0.9	0.524	0.868	155/125	120/100	1.8	24.6	1254	584	1.8	0.2X2	26.4	1458	788	
	8.3	50	1.0	0.387	0.641	185/160	145/125	1.8	27.9	1660	752	1.8	0.5x2	29.7	1893	985	
	9.8	70	1.1	0.268	0.443	225/200	175/155	1.9	32.8	2353	1041	2.0	0.5x2	36.2	2967	1655	
	11.5	95	1.1	0.193	0.32	270/245	210/200	2.0	37.1	3179	1359	2.0	0.5x2	40.5	3872	2053	
	12.9	120	1.2	0.153	0.253	310/285	245/220	2.1	41.2	3983	1684	2.1	0.5x2	44.6	4753	2454	
	14.5	150	1.4	0.124	0.206	345/325	270/250	2.3	45.8	4909	2084	2.3	0.5x2	49.2	5762	2937	
	16.0	185	1.6	0.0991	0.164	390/375	305/295	2.4	50.9	6104	2561	2.4	0.5x2	54.3	7051	3507	
	18.3	240	1.7	0.0754	0.125	450/440	355/345	2.6	57.4	7941	3284	2.6	0.5x2	60.8	9006	4349	
	20.5	300	1.8	0.0601	0.1	515/505	400/395	2.8	63.4	9890	4049	2.7	0.5x2	66.8	11067	5225	
 Four cores	1.8	2.5	0.7	7.41	12.1	35/26	27/20	1.8	12.1	194	132						
	2.3	4	0.7	4.61	7.41	45/34	36/27	1.8	13.2	262	162	1.8	0.2x2	15.0	377	278	
	2.8	6	0.7	3.08	4.61	57/43	46/35	1.8	14.5	352	202	1.8	0.2x2	16.3	480	329	
	3.6	10	0.7	1.83	3.08	77/60	59/47	1.8	17.6	547	291	1.8	0.2x2	19.4	690	434	
	4.5	16	0.7	1.15	1.91	105/83	80/64	1.8	20.1	799	392	1.8	0.2x2	21.9	964	557	
	6.0	25	0.9	0.727	1.2	125/105	100/82	1.8	24.3	1222	578	1.8	0.2x2	26.1	1424	779	
	7.0	35	0.9	0.524	0.868	155/125	120/100	1.8	27.1	1626	732	1.8	0.2x2	28.9	1851	957	
	8.3	50	1.0	0.387	0.641	185/160	145/125	1.8	31.0	2172	961	1.8	0.5X2	34.8	2272	1561	
	9.8	70	1.1	0.268	0.443	225/200	175/155	1.9	36.4	3080	1331	1.9	0.5x2	39.8	3761	2012	
	11.5	95	1.1	0.193	0.32	270/245	210/200	2.0	41.2	4166	1740	2.0	0.5x2	44.6	4936	2510	
	12.9	120	1.2	0.153	0.253	310/285	245/220	2.1	46.0	5244	2178	2.1	0.5x2	49.4	6101	3035	
	14.5	150	1.4	0.124	0.206	345/325	270/250	2.3	50.9	6435	2669	2.3	0.5x2	54.3	7384	3618	
	16.0	185	1.6	0.0991	0.164	390/375	305/295	2.4	56.8	8034	3310	2.4	0.5x2	60.2	9089	4365	
	18.3	240	1.7	0.0754	0.125	450/440	355/345	2.6	64.0	10452	4242	2.6	0.5x2	67.2	11611	5401	
	20.5	300	1.8	0.0601	0.1	515/505	400/395					2.8	0.5x2	74.2	14330	6541	

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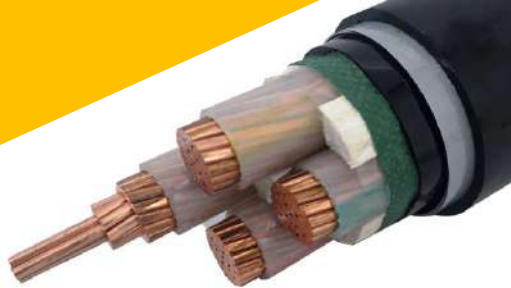
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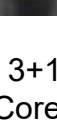
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Low Voltage Power Cable YJV/YJLV

 **SHENXING CABLE GROUP**



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NO. OF COND.	WD (mm)	CSA (mm ²)	I.D (mm)	Resistance (Ω/km)		Current (A)		No Armor				With steel armor					
				CU	AL	CU	AL	Sheath THK (mm)	OD (mm)	weight kg/km		Sheath THK (mm)	Armour THK (mm)	OD (mm)	weight kg/km		
										CU	AL				CU	AL	CU
 Five Cores	1.8	2.5	0.8	7.41	12.1	35/26	27/20	1.8	13.0	231	153						
	2.3	4	1.0	4.61	7.41	45/34	36/27	1.8	14.2	314	190	1.8	0.2x2	16.0	440	316	
	2.8	6	1.0	3.08	4.61	57/43	46/35	1.8	15.6	426	238	1.8	0.2x2	17.4	566	377	
	3.6	10	1.0	1.83	3.08	77/60	59/47	1.8	19.1	667	346	1.8	0.2x2	20.9	840	519	
	4.5	16	1.0	1.15	1.91	105/83	80/64	1.8	22.0	979	470	1.8	0.2x2	23.8	1180	671	
	6.0	25	1.2	0.727	1.2	125/105	100/82	1.8	26.6	1503	697	1.8	0.2x2	28.4	1749	944	
	7.0	35	1.2	0.524	0.868	155/125	120/100	1.8	29.7	2004	887	2.0	0.5x2	32.5	2318	1201	
	8.3	50	1.4	0.387	0.641	185/160	145/125	2.0	34.2	2696	1183	2.1	0.5x2	38.0	3442	1929	
	9.8	70	1.4	0.268	0.443	225/200	175/155	2.1	40.2	3825	1683	2.2	0.5x2	43.6	4674	2487	
	11.5	95	1.6	0.193	0.32	270/245	210/200	2.3	45.8	5196	2163	2.4	0.5x2	49.2	6160	3127	
	12.9	120	1.6	0.153	0.253	310/285	245/220	2.4	50.8	6513	2681	2.5	0.5x2	54.2	7585	3753	
	14.5	150	1.8	0.124	0.206	345/325	270/250	2.6	56.5	8020	3312	2.7	0.5x2	59.9	9208	4500	
	16.0	185	2.0	0.0991	0.164	390/375	305/295	2.8	63.1	10010	4104	2.9	0.5x2	66.5	11332	5427	
	18.3	240	2.2	0.0754	0.125	450/440	355/345	3.0	71.1	13019	5257	3.1	0.5x2	74.5	14509	6747	
	20.5	300	2.4	0.0601	0.1	515/505	400/395	3.2	78.6	16213	6476	3.3	0.5x2	82.0	17860	8123	
 3+1 Cores	2.3	4	0.7	4.61	7.41	45/34	36/27	1.8	12.9	245	155	1.8	0.2x2	15.9	419	328	
	1.8	2.5	0.7	7.41	12.1												
	2.8	6	0.7	3.08	4.61	57/43	46/35	1.8	14.1	330	191	1.8	0.2x2	17.1	519	380	
	2.3	4	0.7	4.61	7.41												
	3.6	10	0.7	1.83	3.08	77/60	59/47	1.8	16.8	497	267	1.8	0.2x2	18.9	689	465	
	2.8	6	0.7	3.08	4.61												
	4.5	16	0.9	1.15	1.91	105/83	80/64	1.8	19.4	735	365	1.8	0.2x2	21.0	922	573	
	3.6	10	0.7	1.83	3.08												
	6.0	25	0.9	0.727	1.2	125/105	100/82	1.8	23.2	1114	529	1.8	0.2x2	25.2	1348	782	
	4.5	16	0.7	1.15	1.91												
	7.0	35	0.9	0.524	0.868	155/125	120/100	1.8	25.2	1414	642	1.8	0.2x2	25.4	1602	1130	
	4.5	16	0.7	1.15	1.91												
	8.3	50	1.0	0.387	0.641	185/160	145/125	1.8	29.1	1919	850	1.8	0.5x2	31.1	2520	1428	
	6.0	25	0.9	0.727	1.2												
	9.8	70	1.1	0.268	0.443	225/200	175/155	1.9	34.0	2702	1166	1.9	0.5x2	34.4	3291	1760	
	7.0	35	0.9	0.524	0.868												
	11.5	95	1.1	0.193	0.32	270/245	210/200	2.1	38.7	3667	1545	2.1	0.5x2	38.8	4275	2184	
	8.3	50	0.9	0.387	0.641												
	12.9	120	1.2	0.153	0.253	310/285	245/220	2.2	43.4	4685	1949	2.2	0.5x2	42.6	5315	2632	
	9.8	70	1.1	0.268	0.443												
	14.5	150	1.4	0.124	0.206	345/325	270/250	2.3	47.4	5574	2316	2.3	0.5x2	46.4	6322	3078	
	9.8	70	1.1	0.268	0.443												
	16.0	185	1.6	0.0991	0.164	390/375	305/295	2.5	52.8	7014	2891	2.5	0.5x2	51.3	7757	3701	
	11.5	95	1.1	0.193	0.32												
	18.3	240	1.7	0.0754	0.125	450/440	355/345	2.7	53.9	8523	3443	2.7	0.5x2	56.7	9753	4513	
12.9	120	1.2	0.153	0.253													
20.5	300	1.8	0.0601	0.1	515/505	400/395	2.9	59.9	16602	4248	2.9	0.5x2	66.5	12368	5816		
14.5	150	1.4	0.124	0.206													

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NO. OF COND.	WD (mm)	CSA (mm ²)	I.D (mm)	Resistance (Ω/km)		Current (A)		No Armor				With steel armor				
				CU	AL	CU	AL	Sheath THK (mm)	OD (mm)	weight kg/km		Sheath THK (mm)	Armour THK (mm)	OD (mm)	weight kg/km	
										CU	AL				CU	AL
 4+1 Cores	2.3	4	0.7	4.61	7.41	45/34	36/27	1.8	14.0	298	183	1.8	0.2x2	15.8	421	306
	1.8	2.5	0.7	7.41	12.1											
	2.8	6	0.7	3.08	4.61	57/43	46/35	1.8	15.4	404	228	1.8	0.2x2	17.2	540	365
	2.3	4	0.7	4.61	7.41											
	3.6	10	0.7	1.83	3.08	77/60	59/47	1.8	18.4	618	324	1.8	0.2x2	20.2	768	474
	2.8	6	0.7	3.08	4.61											
	4.5	16	0.9	1.15	1.91	105/83	80/64	1.8	21.4	916	445	1.8	0.2x2	23.2	1092	621
	3.6	10	0.7	1.83	3.08											
	6.0	25	0.9	0.727	1.2	125/105	100/82	1.8	25.7	1397	651	1.8	0.2x2	27.5	1611	864
	4.5	16	0.7	1.15	1.91											
	7.0	35	0.9	0.524	0.868	155/125	120/100	1.8	28.1	1796	801	1.8	0.2x2	30.1	2012	1049
	4.5	16	0.7	1.15	1.91											
	8.3	50	1.0	0.387	0.641	185/160	145/125	1.8	33.0	2461	1088	2.0	0.5x2	36.4	3079	1706
	6.0	25	0.9	0.727	1.2											
	9.8	70	1.1	0.268	0.443	225/200	175/155	1.9	38.2	3466	1493	2.1	0.5x2	41.5	4162	2189
	7.0	35	0.9	0.524	0.868											
	11.5	95	1.1	0.193	0.32	270/245	210/200	2.2	43.5	4682	1954	2.3	0.5x2	46.9	5193	2761
	8.3	50	0.9	0.387	0.641											
	12.9	120	1.2	0.153	0.253	310/285	245/220	2.4	48.8	5981	2478	2.5	0.5x2	52.2	6891	3387
	9.8	70	1.1	0.268	0.443											
	14.5	150	1.4	0.124	0.206	345/325	270/250	2.5	53.2	7163	2959	2.6	0.5x2	56.6	8154	3950
	9.8	70	1.1	0.268	0.443											
	16.0	185	1.6	0.0991	0.164	390/375	305/295	2.7	59.6	9023	2692	2.8	0.5x2	63.0	10129	4797
	11.5	95	1.1	0.193	0.32											
	18.3	240	1.7	0.0754	0.125	450/440	355/345	2.9	67.1	11691	4715	3.0	0.5x2	70.5	12935	5959
	12.9	120	1.2	0.153	0.253											
	20.5	300	1.8	0.0601	0.1	515/505	400/395	3.1	74.2	14542	5812	3.2	0.5x2	77.6	15917	7187
	14.5	150	1.4	0.124	0.206											
	23.5	400	2.0	0.047	0.0778	680/660	530/520					3.5	0.5x2	86.7	20051	8908
	16.0	185	1.6	0.0991	0.164											

The current parameters are expressed as: soil laying/air laying corresponding parameter values. The above data is for reference only.


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Low Voltage Power Cable YJV/YJLV

 **SHENXING CABLE GROUP**



Accept customization

NO. OF COND.	WD (mm)	CSA (mm ²)	I.D (mm)	Resistance (Ω/km)		Current (A)		No Armor				With steel armor				
								Sheath THK (mm)	OD (mm)	weight kg/km		Sheath THK (mm)	Armour THK (mm)	OD (mm)	weight kg/km	
				CU	AL	CU	AL			CU	AL				CU	AL
 3+2 Cores	2.3	4	0.7	4.61	7.41	45/34	36/27					1.8	0.2x2	15.5	402	296
	1.8	2.5	0.7	7.41	12.1											
	2.8	6	0.7	3.08	4.61	57/43	46/35					1.8	0.2x2	16.9	515	352
	2.3	4	0.7	4.61	7.41											
	3.6	10	0.7	1.83	3.08	77/60	59/47					1.8	0.2x2	19.5	714	446
	2.8	6	0.7	3.08	4.61											
	4.5	16	0.9	1.15	1.91	105/83	80/64					1.8	0.2x2	22.6	1024	591
	3.6	10	0.7	1.83	3.08											
	6.0	25	0.9	0.727	1.2	125/105	100/82					1.8	0.2x2	26.5	1497	810
	4.5	16	0.7	1.15	1.91											
	7.0	35	0.9	0.524	0.868	155/125	120/100					1.8	0.2x2	28.4	1911	937
	4.5	16	0.7	1.15	1.91											
	8.3	50	1.0	0.387	0.641	185/160	145/125					1.8	0.5x2	33.0	2476	1243
	6.0	25	0.9	0.727	1.2											
	9.8	70	1.1	0.268	0.443	225/200	175/155					1.9	0.5x2	39.4	3752	1993
	7.0	35	0.9	0.524	0.868											
	11.5	95	1.1	0.193	0.32	270/245	210/200					2.2	0.5x2	44.7	4962	2537
	8.3	50	0.9	0.387	0.641											
	12.9	120	1.2	0.153	0.253	310/285	245/220					2.4	0.5x2	50.0	6300	3126
	9.8	70	1.1	0.268	0.443											
	14.5	150	1.4	0.124	0.206	345/325	270/250					2.5	0.5x2	53.4	7246	3546
	9.8	70	1.1	0.268	0.443											
	16.0	185	1.6	0.0991	0.164	390/375	305/295					2.7	0.5x2	59.5	9088	4331
	11.5	95	1.1	0.193	0.32											
	18.3	240	1.7	0.0754	0.125	450/440	355/345					2.9	0.5x2	66.5	11546	5356
	12.9	120	1.2	0.153	0.253											
	20.5	300	1.8	0.0601	0.1	515/505	400/395					3.1	0.5x2	73.2	14181	6456
	14.5	150	1.4	0.124	0.206											

The current parameters are expressed as: soil laying/air laying corresponding parameter values. The above data is for reference only.