

Medium voltage XLPE insulated power cable, 3.6/6 (7.2) kV
(ZR)YJV: CU/XLPE/CTS/PVC; (ZR)YJLV:AL/XLPE/CTS/PVC
(ZR)YJY:CU/XLPE/CTS/PE;(ZR)YJLY:AL/XLPE/CTS/PE

Nom. cross-sectional area of conductor	Insulation thickness	Sheath thickness	Overall diameter	Approx. weight		Max. D.C. resistance of conductor @20°C	
				Cu	Al	Cu	Al
mm ²	mm	mm	mm	kg/km		Ω/km	
Single core							
1×25	2.5	1.5	18	607	338	0.727	1.20
1×35	2.5	1.5	19	722	444	0.524	0.868
1×50	2.5	1.6	20	883	507	0.387	0.641
1×70	2.5	1.6	22	1105	609	0.268	0.443
1×95	2.5	1.7	24	1363	716	0.193	0.32
1×120	2.5	1.8	26	1622	816	0.153	0.253
1×150	2.5	1.8	27	1922	935	0.124	0.206
1×185	2.5	1.9	29	2287	1082	0.0991	0.164
1×240	2.6	1.9	32	2846	1308	0.0754	0.125
1×300	2.8	2.0	35	3476	1562	0.0601	0.1
1×400	3.0	2.2	39	4481	1967	0.047	0.0778
1×500	3.2	2.3	43	5517	2472	0.0366	0.0605
1×630	3.2	2.4	47	6841	2980	0.0283	0.0469
1×800	3.2	2.5	52	8087	3812	0.0221	0.0367
1×1000	3.2	2.6	57	10337	4861	0.0176	0.0291
Three-core							
3×25	2.5	2.1	37	1821	990	0.727	1.2
3×35	2.5	2.2	39	2199	1408	0.524	0.868
3×50	2.5	2.3	40	2712	1663	0.387	0.641
3×70	2.5	2.4	45	3424	2050	0.268	0.443
3×95	2.5	2.5	48	4247	2451	0.193	0.32
3×120	2.5	2.6	51	5077	2777	0.153	0.253
3×150	2.5	2.7	54	6031	3202	0.124	0.206
3×185	2.5	2.9	58	7187	3728	0.0991	0.164
3×240	2.6	3.0	63	8963	4525	0.0754	0.125
3×300	2.8	3.2	69	10952	5383	0.0601	0.1
3×400	3.0	3.5	77	14072	6865	0.047	0.0778
3×500	3.2	3.7	84	17687	8658	0.0366	0.0605

Medium voltage XLPE insulated power cable, 6/10 (12) kV
(ZR)YJV: CU/XLPE/CTS/PVC; (ZR)YJLV: AL/XLPE/CTS/PVC
(ZR)YJY: CU/XLPE/CTS/PE; (ZR)YJLY: AL/XLPE/CTS/PE

Nom. cross-sectional area of conductor	Insulation thickness	Sheath thickness	Overall diameter	Approx. weight		Max. D.C. resistance of conductor @20°C	
				Cu	Al	Cu	Al
mm ²	mm	mm	mm	kg/km		Ω/km	
Single core							
1×25	3.4	2.0	20	586	422	0.727	1.2
1×35	3.4	2.0	22	705	511	0.524	0.868
1×50	3.4	2.0	23	866	576	0.387	0.641
1×70	3.4	2.0	24	1075	681	0.268	0.443
1×95	3.4	2.0	26	1350	795	0.193	0.32
1×120	3.4	2.0	28	1625	910	0.153	0.253
1×150	3.4	2.0	30	1928	1022	0.124	0.206
1×185	3.4	2.0	31	2288	1187	0.0991	0.164
1×240	3.4	2.0	34	2850	1410	0.0754	0.125
1×300	3.4	2.0	36	3437	1633	0.0601	0.1
1×400	3.4	2.5	40	4413	2019	0.047	0.0778
1×500	3.4	2.5	44	5369	2501	0.0366	0.0605
1×630	3.4	2.5	48	6813	3032	0.0283	0.0469
1×800	3.4	2.6	52	6978	3613	0.0221	0.0367
1×1000	3.4	2.8	57	10290	4145	0.0176	0.0291
Three-core							
3×25	3.4	2.3	41	877	1387	0.727	1.2
3×35	3.4	2.4	44	2247	1691	0.524	0.868
3×50	3.4	2.5	46	2756	1954	0.387	0.641
3×70	3.4	2.6	50	3438	2322	0.268	0.443
3×95	3.4	2.7	53	4314	2713	0.193	0.32
3×120	3.4	2.8	56	5213	3122	0.153	0.253
3×150	3.4	2.9	59	6183	3555	0.124	0.206
3×185	3.4	3.0	62	7173	4148	0.0991	0.164
3×240	3.4	3.2	68	9034	4899	0.0754	0.125
3×300	3.4	3.4	72	10936	5729	0.0601	0.1
3×400	3.4	3.6	81	14805	7081	0.047	0.0778
3×500	3.4	3.7	92	17776	8538	0.0366	0.0605

Medium voltage XLPE insulated power cable, 8.7/15 (18) kV
(ZR)YJV: CU/XLPE/CTS/PVC; (ZR)YJLV:AL/XLPE/CTS/PVC
(ZR)YJY:CU/XLPE/CTS/PE;(ZR)YJLY:AL/XLPE/CTS/PE

Nom. cross-sectional	Insulation thickness	Sheath thickness	Overall diameter			Max. D.C.	
				Cu	Al	Cu	Al
mm ²	mm	mm	mm	kg/km		Ω/km	
Single core							
1×25	4.5	1.8	23	666	494	0.727	1.2
1×35	4.5	1.8	24	788	598	0.524	0.868
1×50	4.5	1.9	25	964	667	0.387	0.641
1×70	4.5	1.9	27	1177	791	0.268	0.443
1×95	4.5	2.0	29	1460	909	0.193	0.32
1×120	4.5	2.0	30	1730	1032	0.153	0.253
1×150	4.5	2.1	32	2049	1148	0.124	0.206
1×185	4.5	2.1	34	2403	1321	0.0991	0.164
1×240	4.5	2.2	36	2973	1537	0.0754	0.125
1×300	4.5	2.4	39	3599	1785	0.0601	0.1
1×400	4.5	2.4	42	4553	2185	0.047	0.0778
1×500	4.5	2.5	45	5538	2684	0.0366	0.0605
1×630	4.5	2.5	50	7011	3210	0.0283	0.0469
1×800	4.5	2.7	55	8575	3724	0.0221	0.0367
1×1000	4.5	2.9	59	10512	4333	0.0176	0.0291
Three-core							
3×25	4.5	2.4	46	2522	1651	0.727	1.2
3×35	4.5	2.6	48	2925	2018	0.524	0.868
3×50	4.5	2.7	51	3458	2327	0.387	0.641
3×70	4.5	2.8	55	4113	2760	0.268	0.443
3×95	4.5	2.9	58	5125	3208	0.193	0.32
3×120	4.5	3.0	61	5998	3392	0.153	0.253
3×150	4.5	3.1	64	7063	4043	0.124	0.206
3×185	4.5	3.2	68	8210	4621	0.0991	0.164
3×240	4.5	3.4	73	9973	5453	0.0754	0.125
3×300	4.5	3.5	77	11916	6300	0.0601	0.1
3×400	4.5	3.8	86	15328	7760	0.047	0.0778
3×500	4.5	3.8	98	18463	9345	0.0366	0.0605

Medium voltage XLPE insulated power cable, 12/20 (24) kV
(ZR)YJV: CU/XLPE/CTS/PVC; (ZR)YJLV:AL/XLPE/CTS/PVC
(ZR)YJY:CU/XLPE/CTS/PE;(ZR)YJLY:AL/XLPE/CTS/PE

Nom. cross-sectional area of conductor	Insulation thickness	Sheath thickness	Overall diameter	Approx. weight		Max. D.C. resistance of conductor @20°C	
				Cu	Al	Cu	Al
mm ²	mm	mm	mm	kg/km		Ω/km	
Single core							
1×35	5.5	1.9	25	959	683	0.524	0.868
1×50	5.5	1.9	27	1132	768	0.387	0.641
1×70	5.5	2.0	28	1365	887	0.268	0.443
1×95	5.5	2.0	30	1647	1023	0.193	0.32
1×120	5.5	2.0	32	1939	1137	0.153	0.253
1×150	5.5	2.1	33	2255	1272	0.124	0.206
1×185	5.5	2.2	35	2664	1437	0.0991	0.164
1×240	5.5	2.2	37	3236	1677	0.0754	0.125
1×300	5.5	2.3	39	3862	1932	0.0601	0.1
1×400	5.5	2.4	43	4832	2415	0.047	0.0778
1×500	5.5	2.5	47	5837	2862	0.0366	0.0605
1×630	5.5	2.6	51	7614	3399	0.0283	0.0469
1×800	5.5	2.8	55	8766	3883	0.0221	0.0367
1×1000	5.5	2.9	61	10700	4410	0.0176	0.0291
Three-core							
3×35	5.5	2.7	53	3281	2376	0.524	0.868
3×50	5.5	2.9	55	3826	2692	0.387	0.641
3×70	5.5	2.9	59	4531	3139	0.268	0.443
3×95	5.5	3.0	62	5481	3626	0.193	0.32
3×120	5.5	3.1	66	6365	4032	0.153	0.253
3×150	5.5	3.2	69	7484	4516	0.124	0.206
3×185	5.5	3.4	72	8627	5136	0.0991	0.164
3×240	5.5	3.5	77	10514	5998	0.0754	0.125
3×300	5.5	3.7	82	12469	6852	0.0601	0.1
3×400	5.5	3.9	90	15883	8509	0.047	0.0778
3×500	5.5	4.3	102	19139	9912	0.0366	0.0605

Medium voltage XLPE insulated power cable, 18/30 (36) kV
(ZR)YJV: CU/XLPE/CTS/PVC; (ZR)YJLV:AL/XLPE/CTS/PVC
(ZR)YJY:CU/XLPE/CTS/PE;(ZR)YJLY:AL/XLPE/CTS/PE

Nom. cross-sectional area of conductor	Insulation thickness	Sheath thickness	Overall diameter	Approx. weight		Max. D.C. resistance of conductor @20°C	
				Cu	Al	Cu	Al
mm ²	mm	mm	mm	kg/km		Ω/km	
Single core							
1×50	8.0	2.0	33	1529	1034	0.387	0.641
1×70	8.0	2.1	35	1803	1181	0.268	0.443
1×95	8.0	2.1	36	2097	1597	0.193	0.32
1×120	8.0	2.2	38	2401	1459	0.153	0.253
1×150	8.0	2.2	39	2734	1607	0.124	0.206
1×185	8.0	2.3	41	3136	1788	0.0991	0.164
1×240	8.0	2.3	43	3724	2048	0.0754	0.125
1×300	8.0	2.4	45	4371	2324	0.0601	0.1
1×400	8.0	2.5	49	5419	2848	0.047	0.0778
1×500	8.0	2.6	53	6037	3327	0.0366	0.0605
1×630	8.0	2.7	56	7860	3895	0.0283	0.0469
Three-core							
3×50	8.0	2.8	55	5184	3722	0.387	0.641
3×70	8.0	2.9	59	6115	4234	0.268	0.443
3×95	8.0	3.0	62	7213	4779	0.193	0.32
3×120	8.0	3.1	66	8183	5317	0.153	0.253
3×150	8.0	3.2	69	9330	5772	0.124	0.206
3×185	8.0	3.4	72	10613	6459	0.0991	0.164
3×240	8.0	3.5	77	12554	7391	0.0754	0.125
3×300	8.0	3.7	82	14622	8430	0.0601	0.1
3×400	8.0	3.9	90	17748	10269	0.047	0.0778

*The information in this data sheet is for reference only and is subject to change without notice or liability.

Medium voltage XLPE insulated steel tape armored power cable, 3.6/6 (7.2) kV
 (ZR)YJV62/22: CU/XLPE/CTS/PVC/STA/PVC;
 (ZR)YJLV62/22: AL/XLPE/CTS/PVC/STA/PVC
 (ZR)YJY63/23: CU/XLPE/CTS/PE/STA/PE; (ZR)YJLY63/23: AL/XLPE/CTS/PE/STA/PE

Nom. cross-sectional area of conductor	Insulation thickness	Inner sheath thickness	Steel tape thickness	Outer sheath thickness	Overall diameter	Approx. weight		Max. D.C. resistance of conductor @20°C	
						Cu	Al	Cu	Al
mm ²	mm	mm	mm	mm	mm	kg/km		Ω/km	
Stainless steel tape armor									
Single core									
1×25	2.5	1.0	2×0.2	1.8	15.0	711	623	0.727	1.2
1×35	2.5	1.0	2×0.2	1.8	16.0	828	687	0.524	0.868
1×50	2.5	1.0	2×0.2	1.8	17.0	980	761	0.387	0.641
1×70	2.5	1.0	2×0.2	1.8	19.0	1197	854	0.268	0.443
1×95	2.5	1.0	2×0.2	1.8	20.0	1439	987	0.193	0.32
1×120	2.5	1.0	2×0.2	1.8	21.0	1685	1106	0.153	0.253
1×150	2.5	1.0	2×0.2	1.9	23.0	1982	1230	0.124	0.206
1×185	2.5	1.0	2×0.2	1.9	24.0	2311	1386	0.0991	0.164
1×240	2.6	1.2	2×0.5	2.1	27.0	3106	1642	0.0754	0.125
1×300	2.8	1.2	2×0.5	2.1	29.0	3695	2308	0.0601	0.1
1×400	3.0	1.2	2×0.5	2.3	33.0	4690	2887	0.047	0.0778
1×500	3.2	1.2	2×0.5	2.4	37.0	5758	3412	0.0366	0.0605
Steel tape armor									
Three-core									
3×35	2.5	1.3	2×0.5	2.3	43	3189	2306	0.524	0.868
3×50	2.5	1.3	2×0.5	2.4	47	3765	2622	0.387	0.641
3×70	2.5	1.4	2×0.5	2.6	50	4612	3100	0.268	0.443
3×95	2.5	1.5	2×0.5	2.7	53	5533	3580	0.193	0.32
3×120	2.5	1.5	2×0.5	2.8	57	6448	4027	0.153	0.253
3×150	2.5	1.6	2×0.5	2.9	60	7506	4543	0.124	0.206
3×185	2.5	1.7	2×0.5	3.0	64	8767	5170	0.0991	0.164
3×240	2.6	1.8	2×0.5	3.2	69	10753	6117	0.0754	0.125
3×300	2.8	1.9	2×0.5	3.4	75	12930	7156	0.0601	0.1
3×400	3.0	2.0	2×0.8	3.7	83	17139	9776	0.047	0.0778
3×500	3.2	2.1	2×0.8	3.9	99	21089	12085	0.0366	0.0605

Medium voltage XLPE insulated steel tape armored power cable, 6/10 (12) kV
 (ZR)YJV62/22: CU/XLPE/CTS/PVC/STA/PVC;
 (ZR)YJLV62/22: AL/XLPE/CTS/PVC/STA/PVC
 (ZR)YJY63/23: CU/XLPE/CTS/PE/STA/PE;
 (ZR)YJLY63/23: AL/XLPE/CTS/PE/STA/PE

Nom. cross-sectional area of conductor	Insulation thickness	Inner sheath thickness	Steel tape thickness	Outer sheath thickness	Overall diameter	Approx. weight		Max. D.C. resistance of conductor @20°C	
						Cu	Al	Cu	Al
mm ²	mm	mm	mm	mm	mm	kg/km		Ω/km	
Stainless steel tape armor									
Single core									
1×25	3.4	1.0	2×0.2	1.8	16.0	792	708	0.727	1.2
1×35	3.4	1.0	2×0.2	1.8	17.0	911	773	0.524	0.868
1×50	3.4	1.0	2×0.2	1.8	19.0	1065	851	0.387	0.641
1×70	3.4	1.0	2×0.2	1.8	20.0	1288	947	0.268	0.443
1×95	3.4	1.0	2×0.2	1.9	22.0	1544	1096	0.193	0.32
1×120	3.4	1.0	2×0.2	1.9	23.0	1794	1219	0.153	0.253
1×150	3.4	1.0	2×0.2	1.9	24.0	2083	1348	0.124	0.206
1×185	3.4	1.2	2×0.5	2.0	26.0	2669	1509	0.0991	0.164
1×240	3.4	1.2	2×0.5	2.1	28.0	3218	2114	0.0754	0.125
1×300	3.4	1.2	2×0.5	2.2	30	3799	2403	0.0601	0.1
1×400	3.4	1.2	2×0.5	2.3	34	4791	2978	0.047	0.0778
1×500	3.4	1.4	2×0.5	2.5	38	5872	3448	0.0366	0.0605
Steel tape armor									
Three-core									
3×25	3.4	1.6	2×0.5	2.5	46	2950	2367	0.727	1.2
3×35	3.4	1.6	2×0.5	2.6	48	3428	2659	0.524	0.868
3×50	3.4	1.8	2×0.5	2.6	51	4052	3026	0.387	0.641
3×70	3.4	1.8	2×0.5	2.8	55	4859	3536	0.268	0.443
3×95	3.4	2.0	2×0.5	2.9	58	5856	3982	0.193	0.32
3×120	3.4	2.0	2×0.5	3.0	61	6830	4492	0.153	0.253
3×150	3.4	2.0	2×0.5	3.1	64	7998	4989	0.124	0.206
3×185	3.4	2.2	2×0.5	3.2	68	8249	5688	0.0991	0.164
3×240	3.4	2.2	2×0.5	3.4	73	11113	6609	0.0754	0.125
3×300	3.4	2.2	2×0.5	3.5	78	13962	7603	0.0601	0.1
3×400	3.4	2.2	2×0.8	3.8	86	17160	10111	0.047	0.0778
3×500	3.4	2.2	2×0.8	3.9	100	21210	12207	0.0366	0.0605

Medium voltage XLPE insulated steel tape armored power cable, 8.7/15 (18) kV
 (ZR)YJV62/22: CU/XLPE/CTS/PVC/STA/PVC;
 (ZR)YJLV62/22: AL/XLPE/CTS/PVC/STA/PVC
 (ZR)YJY63/23: CU/XLPE/CTS/PE/STA/PE;
 (ZR)YJLY63/23: AL/XLPE/CTS/PE/STA/PE

Nom. cross-sectional area of conductor	Insulation thickness	Inner sheath thickness	Steel tape thickness	Outer sheath thickness	Overall diameter	Approx. weight		Max. D.C. resistance of conductor @20°C	
						Cu	Al	Cu	Al
mm ²	mm	mm	mm	mm	mm	kg/km		Ω/km	
Stainless steel tape armor									
Single core									
1×25	4.5	1.0	2×0.2	1.9	19	897	817	0.727	1.2
1×35	4.5	1.0	2×0.2	1.9	20	1019	886	0.524	0.868
1×50	4.5	1.0	2×0.2	1.9	21	1177	966	0.387	0.641
1×70	4.5	1.0	2×0.2	2.0	23	1416	1079	0.268	0.443
1×95	4.5	1.0	2×0.2	2.0	24	1666	1222	0.193	0.32
1×120	4.5	1.2	2×0.2	2.1	25	1965	1364	0.153	0.253
1×150	4.5	1.2	2×0.5	2.2	27	2487	1483	0.124	0.206
1×185	4.5	1.2	2×0.5	2.2	28	2838	2019	0.0991	0.164
1×240	4.5	1.2	2×0.5	2.3	30	3397	2303	0.0754	0.125
1×300	4.5	1.2	2×0.5	2.4	32	3986	2600	0.0601	0.1
1×400	4.5	1.4	2×0.5	2.5	36	5035	3194	0.047	0.0778
1×500	4.5	1.4	2×0.5	2.6	40	6070	3702	0.0366	0.0605
Steel tape armor									
Three-core									
3×25	4.5	1.6	2×0.5	2.6	51	3430	2859	0.727	1.2
3×35	4.5	1.6	2×0.5	2.7	53	3900	3140	0.524	0.868
3×50	4.5	1.8	2×0.5	2.8	56	4585	3512	0.387	0.641
3×70	4.5	1.8	2×0.5	3.0	58	5302	4035	0.268	0.443
3×95	4.5	2.0	2×0.5	3.1	63	6436	4620	0.193	0.32
3×120	4.5	2.0	2×0.5	3.2	66	7390	5084	0.153	0.253
3×150	4.5	2.0	2×0.5	3.3	70	8501	5622	0.124	0.206
3×185	4.5	2.2	2×0.5	3.4	73	9791	6340	0.0991	0.164
3×240	4.5	2.2	2×0.8	3.6	79	11649	7317	0.0754	0.125
3×300	4.5	2.2	2×0.8	3.7	83	14675	9167	0.0601	0.1
3×400	4.5	2.2	2×0.8	4.0	92	17865	10957	0.047	0.0778
3×500	4.5	2.2	2×0.8	4.1	105	22126	13123	0.0366	0.0605

Medium voltage XLPE insulated steel tape armored power cable, 12/20 (24) kV
 (ZR)YJV62/22: CU/XLPE/CTS/PVC/STA/PVC;
 (ZR)YJLV62/22: AL/XLPE/CTS/PVC/STA/PVC
 (ZR)YJY63/23: CU/XLPE/CTS/PE/STA/PE;
 (ZR)YJLY63/23: AL/XLPE/CTS/PE/STA/PE

Nom. cross-sectional area of conductor	Insulation thickness	Inner sheath thickness	Steel tape thickness	Outer sheath thickness	Overall diameter	Approx. weight		Max. D.C. resistance of conductor @20°C	
						Cu	Al	Cu	Al
mm ²	mm	mm	mm	mm	mm	kg/km		Ω/km	
Stainless steel tape armor									
Single core									
1×35	5.5	1.0	2×0.2	1.9	22	1135	1032	0.524	0.868
1×50	5.5	1.0	2×0.2	1.9	23	1297	1117	0.387	0.641
1×70	5.5	1.0	2×0.2	2.0	25	1543	1222	0.268	0.443
1×95	5.5	1.2	2×0.5	2.0	26	2034	1385	0.193	0.32
1×120	5.5	1.2	2×0.5	2.1	27	2321	1534	0.153	0.253
1×150	5.5	1.2	2×0.5	2.1	29	2630	2020	0.124	0.206
1×185	5.5	1.2	2×0.5	2.3	30	3001	2227	0.0991	0.164
1×240	5.5	1.2	2×0.5	2.4	32	3567	2522	0.0754	0.125
1×300	5.5	1.2	2×0.5	2.4	34	4146	2852	0.0601	0.1
1×400	5.5	1.4	2×0.5	2.6	38	5229	3423	0.047	0.0778
1×500	5.5	1.4	2×0.5	2.7	42	6277	3945	0.0366	0.0605
Steel tape armor									
Three-core									
3×35	5.5	1.8	2×0.5	2.9	58	4743	3625	0.524	0.868
3×50	5.5	1.8	2×0.5	3.0	61	5354	4032	0.387	0.641
3×70	5.5	2.0	2×0.5	3.1	65	6317	4572	0.268	0.443
3×95	5.5	2.0	2×0.5	3.2	68	7308	5173	0.193	0.32
3×120	5.5	2.0	2×0.5	3.3	71	8290	5657	0.153	0.253
3×150	5.5	2.2	2×0.5	3.4	75	10344	6236	0.124	0.206
3×185	5.5	2.2	2×0.5	3.5	78	11687	6999	0.0991	0.164
3×240	5.5	2.2	2×0.8	3.7	83	13680	8827	0.0754	0.125
3×300	5.5	2.2	2×0.8	3.9	88	15988	9917	0.0601	0.1
3×400	5.5	2.3	2×0.8	4.1	95	18651	12081	0.047	0.0778
3×500	5.5	2.3	2×0.8	4.3	110	23021	14018	0.0366	0.0605

Medium voltage XLPE insulated steel tape armored power cable, 18/30 (36) kV
 (ZR)YJV62/22: CU/XLPE/CTS/PVC/STA/PVC;
 (ZR)YJLV62/22: AL/XLPE/CTS/PVC/STA/PVC
 (ZR)YJY63/23: CU/XLPE/CTS/PE/STA/PE;
 (ZR)YJLY63/23: AL/XLPE/CTS/PE/STA/PE

Nom. cross-sectional area of conductor	Insulation thickness	Inner sheath thickness	Steel tape thickness	Outer sheath thickness	Overall diameter	Approx. weight		Max. D.C. resistance of conductor @20°C	
						Cu	Al	Cu	Al
mm ²	mm	mm	mm	mm	mm	kg/km		Ω/km	
Stainless steel tape armor									
Single core									
1×50	8.0	1.2	2×0.5	2.1	29	1948	1457	0.387	0.641
1×70	8.0	1.2	2×0.5	2.2	30	2227	1958	0.268	0.443
1×95	8.0	1.2	2×0.5	2.2	32	2522	2140	0.193	0.32
1×120	8.0	1.4	2×0.5	2.3	33	2826	2318	0.153	0.253
1×150	8.0	1.4	2×0.5	2.3	34	3191	2486	0.124	0.206
1×185	8.0	1.4	2×0.5	2.4	36	3562	2709	0.0991	0.164
1×240	8.0	1.4	2×0.5	2.5	38	4155	3026	0.0754	0.125
1×300	8.0	1.4	2×0.5	2.5	40	4777	3355	0.0601	0.1
1×400	8.0	1.4	2×0.5	2.7	44	5815	3964	0.047	0.0778
1×500	8.0	1.6	2×0.5	2.8	47	6904	4517	0.0366	0.0605
Steel tape armor									
Three-core									
3×50	8.0	1.8	2×0.5	3.3	75	7056	5388	0.387	0.641
3×70	8.0	1.8	2×0.5	3.5	78	8065	5996	0.268	0.443
3×95	8.0	1.8	2×0.8	3.6	81	9222	6665	0.193	0.32
3×120	8.0	1.8	2×0.8	3.7	85	10898	8138	0.153	0.253
3×150	8.0	1.8	2×0.8	3.8	88	12152	8688	0.124	0.206
3×185	8.0	1.8	2×0.8	4.0	91	13632	9572	0.0991	0.164
3×240	8.0	2.0	2×0.8	4.1	97	15758	10708	0.0754	0.125
3×300	8.0	2.0	2×0.8	4.3	101	18130	11983	0.0601	0.1
3×400	8.0	2.0	2×0.8	4.5	109	21482	14340	0.047	0.0778

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**Medium voltage XLPE insulated Aluminum/steel wire armored power cable,
3.6/6 (7.2) kV**

(ZR)YJV72/32: CU/XLPE/CTS/PVC/SWA/PVC;
 (ZR)YJLV72/32: AL/XLPE/CTS/PVC/SWA/PVC;
 (ZR)YJY73/33: CU/XLPE/CTS/PE/SWA/PE;
 (ZR)YJLY73/33: AL/XLPE/CTS/PE/SWA/PE

Nom. cross-sectional area of conductor mm ²	Insulation thickness mm	Inner sheath thickness mm	Armoring wire diameter mm	Outer sheath thickness mm	Overall diameter mm	Approx. weight		Max. D.C. resistance of conductor @20°C	
						Cu	Al	Cu	Al
						kg/km		Ω/km	
Aluminum wire armor									
Single core									
1×25	2.5	1.2	1.6	1.8	24	1368	1065	0.727	1.2
1×35	2.5	1.2	1.6	1.8	25	1519	1138	0.524	0.868
1×50	2.5	1.2	1.6	1.8	26	1719	1238	0.387	0.641
1×70	2.5	1.2	1.6	1.9	28	2013	1356	0.268	0.443
1×95	2.5	1.2	1.6	1.9	29	2320	1538	0.193	0.32
1×120	2.5	1.2	1.6	2.0	31	2647	1697	0.153	0.253
1×150	2.5	1.2	2.0	2.0	33	3235	1847	0.124	0.206
1×185	2.5	1.2	2.0	2.1	35	3681	2258	0.0991	0.164
1×240	2.6	1.2	2.0	2.2	38	4369	2587	0.0754	0.125
1×300	2.8	1.2	2.0	2.3	40	5119	2934	0.0601	0.1
1×400	3.0	1.3	2.5	2.4	45	6668	3649	0.047	0.0778
1×500	3.2	1.3	2.5	2.5	50	7932	4663	0.0366	0.0605
Steel wire armor									
Three-core									
3×25	2.5	1.2	2	2.3	44	3582	2793	0.727	1.2
3×35	2.5	1.3	2.5	2.4	47	4506	3567	0.524	0.868
3×50	2.5	1.3	2.5	2.5	50	5154	3999	0.387	0.641
3×70	2.5	1.4	2.5	2.7	54	6119	4612	0.268	0.443
3×95	2.5	1.5	2.5	2.8	57	7137	5195	0.193	0.32
3×120	2.5	1.5	2.5	2.9	61	8151	5754	0.153	0.253
3×150	2.5	1.6	2.5	3.0	64	9302	6390	0.124	0.206
3×185	2.5	1.7	2.5	3.1	67	10683	7105	0.0991	0.164
3×240	2.6	1.8	3.15	3.4	74	13765	8257	0.0754	0.125
3×300	2.8	1.9	3.15	3.6	80	16202	10354	0.0601	0.1
3×400	3.0	2.0	3.15	3.8	92	19675	12625	0.047	0.0778
3×500	3.2	2.1	3.15	4.0	102	24228	15224	0.0366	0.0605

**Medium voltage XLPE insulated Aluminum/steel wire armored power cable,
6/10 (12) kV**

(ZR)YJV72/32: CU/XLPE/CTS/PVC/SWA/PVC;
 (ZR)YJLV72/32: AL/XLPE/CTS/PVC/SWA/PVC;
 (ZR)YJY73/33: CU/XLPE/CTS/PE/SWA/PE;
 (ZR)YJLY73/33: AL/XLPE/CTS/PE/SWA/PE

Nom. cross-sectional area of conductor	Insulation thickness	Inner sheath thickness	Armoring wire diameter	Outer sheath thickness	Overall diameter	Approx. weight		Max. D.C. resistance of conductor @20°C	
						Cu	Al	Cu	Al
mm ²	mm	mm	mm	mm	mm	kg/km		Ω/km	
Aluminum wire armor									
Single core									
1×25	3.4	1.2	1.6	1.8	26	1500	1186	0.727	1.2
1×35	3.4	1.2	1.6	1.8	27	1653	1277	0.524	0.868
1×50	3.4	1.2	1.6	1.9	28	1869	1364	0.387	0.641
1×70	3.4	1.2	1.6	1.9	30	2156	1514	0.268	0.443
1×95	3.4	1.2	1.6	2.0	31	2480	1689	0.193	0.32
1×120	3.4	1.2	2	2.0	34	3041	2057	0.153	0.253
1×150	3.4	1.2	2	2.1	35	3418	2230	0.124	0.206
1×185	3.4	1.2	2	2.2	37	3871	2432	0.0991	0.164
1×240	3.4	1.2	2	2.2	40	4531	2747	0.0754	0.125
1×300	3.4	1.2	2	2.3	42	5244	3077	0.0601	0.1
1×400	3.4	1.3	2.5	2.4	47	6763	4116	0.047	0.0778
1×500	3.4	1.3	2.5	2.5	51	7982	4693	0.0366	0.0605
Steel wire armor									
Three-core									
3×25	3.4	1.3	2.5	2.5	49	4487	3575	0.727	1.2
3×35	3.4	1.3	2.5	2.6	52	4993	4040	0.524	0.868
3×50	3.4	1.4	2.5	2.7	54	5686	4497	0.387	0.641
3×70	3.4	1.5	2.5	2.8	58	6652	5096	0.268	0.443
3×95	3.4	1.5	2.5	2.9	62	7656	5681	0.193	0.32
3×120	3.4	1.6	2.5	3.1	65	8750	6256	0.153	0.253
3×150	3.4	1.7	2.5	3.2	68	9923	6860	0.124	0.206
3×185	3.4	1.7	3.15	3.3	72	12155	7687	0.0991	0.164
3×240	3.4	1.8	3.15	3.5	78	14353	9631	0.0754	0.125
3×300	3.4	1.9	3.15	3.7	83	16674	10855	0.0601	0.1
3×400	3.4	2.0	3.15	3.8	94	19910	12860	0.047	0.0778
3×500	3.4	2.1	3.15	4.1	104	24307	15304	0.0366	0.0605

**Medium voltage XLPE insulated Aluminum/steel wire armored power cable,
8.7/15 (18) kV**

(ZR)YJV72/32: CU/XLPE/CTS/PVC/SWA/PVC;
 (ZR)YJLV72/32: AL/XLPE/CTS/PVC/SWA/PVC;
 (ZR)YJY73/33: CU/XLPE/CTS/PE/SWA/PE;
 (ZR)YJLY73/33: AL/XLPE/CTS/PE/SWA/PE

Nom. cross-sectional area of conductor	Insulation thickness	Inner sheath thickness	Armoring wire diameter	Outer sheath thickness	Overall diameter	Approx. weight		Max. D.C. resistance of conductor @20°C	
						Cu	Al	Cu	Al
mm ²	mm	mm	mm	mm	mm	kg/km		Ω/km	
Aluminum wire armor									
Single core									
1×25	4.5	1.2	1.6	1.9	28	1680	1345	0.727	1.2
1×35	4.5	1.2	1.6	1.9	29	1837	1453	0.524	0.868
1×50	4.5	1.2	1.6	1.9	30	2044	1544	0.387	0.641
1×70	4.5	1.2	2	2.0	33	2588	1683	0.268	0.443
1×95	4.5	1.2	2	2.1	35	2930	2080	0.193	0.32
1×120	4.5	1.2	2	2.1	36	3265	2265	0.153	0.253
1×150	4.5	1.2	2	2.2	38	3649	2427	0.124	0.206
1×185	4.5	1.2	2	2.2	40	4091	2651	0.0991	0.164
1×240	4.5	1.2	2	2.3	42	4777	2976	0.0754	0.125
1×300	4.5	1.3	2.5	2.4	45	5935	3295	0.0601	0.1
1×400	4.5	1.3	2.5	2.5	49	7051	4416	0.047	0.0778
1×500	4.5	1.4	2.5	2.6	54	8315	5026	0.0366	0.0605
Steel wire armor									
Three-core									
3×25	4.5	1.4	2.5	2.7	54	5120	4146	0.727	1.2
3×35	4.5	1.5	2.5	2.8	57	5674	4653	0.524	0.868
3×50	4.5	1.5	2.5	2.9	60	6355	5097	0.387	0.641
3×70	4.5	1.6	2.5	3.0	64	7351	5752	0.268	0.443
3×95	4.5	1.6	2.5	3.1	67	8377	6474	0.193	0.32
3×120	4.5	1.7	2.5	3.2	70	9470	7002	0.153	0.253
3×150	4.5	1.8	3.15	3.4	75	11575	8463	0.124	0.206
3×185	4.5	1.8	3.15	3.5	78	13016	9362	0.0991	0.164
3×240	4.5	1.9	3.15	3.7	84	15256	10569	0.0754	0.125
3×300	4.5	2.0	3.15	3.8	88	17578	11817	0.0601	0.1
3×400	4.5	2.1	3.15	4.0	99	20936	13885	0.047	0.0778
3×500	4.5	2.2	3.15	4.2	109	25358	16355	0.0366	0.0605

**Medium voltage XLPE insulated Aluminum/steel wire armored power cable,
12/20 (24) kV**

(ZR)YJV72/32: CU/XLPE/CTS/PVC/SWA/PVC;
 (ZR)YJLV72/32: AL/XLPE/CTS/PVC/SWA/PVC;
 (ZR)YJY73/33: CU/XLPE/CTS/PE/SWA/PE;
 (ZR)YJLY73/33: AL/XLPE/CTS/PE/SWA/PE

Nom. cross-sectional area of conductor	Insulation thickness	Inner sheath thickness	Armoring wire diameter	Outer sheath thickness	Overall diameter	Approx. weight		Max. D.C. resistance of conductor @20°C	
						Cu	Al	Cu	Al
mm ²	mm	mm	mm	mm	mm	kg/km		Ω/km	
Aluminum wire armor									
Single core									
1×35	5.5	1.2	1.6	2.0	31	2245	1636	0.524	0.868
1×50	5.5	1.2	1.6	2.0	33	2465	1761	0.387	0.641
1×70	5.5	1.2	2	2.1	35	2790	2116	0.268	0.443
1×95	5.5	1.2	2	2.1	37	3122	2331	0.193	0.32
1×120	5.5	1.2	2	2.2	39	3476	2523	0.153	0.253
1×150	5.5	1.2	2	2.2	40	3849	2665	0.124	0.206
1×185	5.5	1.2	2	2.3	42	4314	2922	0.0991	0.164
1×240	5.5	1.3	2.5	2.4	45	5443	3236	0.0754	0.125
1×300	5.5	1.3	2.5	2.5	47	6197	3992	0.0601	0.1
1×400	5.5	1.4	2.5	2.6	52	7351	4688	0.047	0.0778
1×500	5.5	1.4	2.5	2.7	56	8600	5312	0.0366	0.0605
Steel wire armor									
Three-core									
3×35	5.5	1.5	2.5	2.9	62	6247	5300	0.524	0.868
3×50	5.5	1.6	2.5	3.0	64	6980	5778	0.387	0.641
3×70	5.5	1.7	2.5	3.2	68	8026	6449	0.268	0.443
3×95	5.5	1.7	2.5	3.3	71	9073	7148	0.193	0.32
3×120	5.5	1.8	3.15	3.4	76	11085	8629	0.153	0.253
3×150	5.5	1.9	3.15	3.5	80	12342	9340	0.124	0.206
3×185	5.5	1.9	3.15	3.7	83	13843	10260	0.0991	0.164
3×240	5.5	2.0	3.15	3.8	88	16084	11426	0.0754	0.125
3×300	5.5	2.1	3.15	4.0	93	18478	12694	0.0601	0.1
3×400	5.5	2.2	3.15	4.2	105	22265	15215	0.047	0.0778
3×500	5.5	2.3	3.15	4.4	113	2651	17509	0.0366	0.0605

**Medium voltage XLPE insulated Aluminum/steel wire armored power cable,
18/30 (36) kV**

(ZR)YJV72/32: CU/XLPE/CTS/PVC/SWA/PVC;
 (ZR)YJLV72/32: AL/XLPE/CTS/PVC/SWA/PVC;
 (ZR)YJY73/33: CU/XLPE/CTS/PE/SWA/PE;
 (ZR)YJLY73/33: AL/XLPE/CTS/PE/SWA/PE

Nom. cross-sectional area of conductor	Insulation thickness	Inner sheath thickness	Armoring wire diameter	Outer sheath thickness	Overall diameter	Approx. weight		Max. D.C. resistance of conductor @20°C	
						Cu	Al	Cu	Al
mm ²	mm	mm	mm	mm	mm	kg/km		Ω/km	
Aluminum wire armor									
Single core									
1×50	8.0	1.2	2	2.2	40	2800	2467	0.387	0.641
1×70	8.0	1.2	2	2.3	42	3103	2599	0.268	0.443
1×95	8.0	1.2	2	2.3	43	3429	2846	0.193	0.32
1×120	8.0	1.3	2.5	2.4	46	4179	3032	0.153	0.253
1×150	8.0	1.4	2.5	2.5	48	4578	3601	0.124	0.206
1×185	8.0	1.4	2.5	2.5	49	5019	3878	0.0991	0.164
1×240	8.0	1.4	2.5	2.6	52	5664	4277	0.0754	0.125
1×300	8.0	1.4	2.5	2.7	54	6352	4647	0.0601	0.1
1×400	8.0	1.4	2.5	2.8	58	7504	5407	0.047	0.0778
1×500	8.0	1.6	2.5	2.9	61	8716	6036	0.0366	0.0605
Steel wire armor									
Three-core									
3×50	8.0	1.8	3.15	3.5	80	9188	8322	0.387	0.641
3×70	8.0	1.8	3.15	3.6	84	10217	9115	0.268	0.443
3×95	8.0	1.8	3.15	3.7	87	11246	10009	0.193	0.32
3×120	8.0	1.8	3.15	3.8	90	12346	10760	0.153	0.253
3×150	8.0	1.8	3.15	3.9	93	13578	11416	0.124	0.206
3×185	8.0	2.0	3.15	4.0	96	14928	12377	0.0991	0.164
3×240	8.0	2.0	3.15	4.2	102	17131	13693	0.0754	0.125
3×300	8.0	2.0	3.15	4.4	107	19336	15146	0.0601	0.1
3×400	8.0	2.4	3.15	4.6	117	25185	18135	0.047	0.0778

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