

Product data of cable

Nominal Cross Sectional area of conductor mm ²	Max.D.C resistance of conductor at 20°C (Ω/km)	
	Copper	Aluminum
1	18.1	-
1.5	12.1	-
2.5	7.41	-
4	4.61	-
6	3.08	-
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
630	0.0283	0.0469
800	0.0221	0.0367
Power frequency A.C.voltage test	Test voltage 3.5kV/5min	

Nominal cross-sectional area of conductor mm ²	Diameter of conductor mm	YJV	YJLV	YJY	YJLY	YJV22	YJLV22	YJY23	YJLY23
		Approx overall diameter mm		Cable weight, max kg/km		Approx overall diameter mm			
				YJV YJY	YJLV YJLY		YJV22 YJV23	YJLV22 YJLV23	
1×1.5	0.7	5.71		35.98	26.80	9.11		124	115
1×2.5	0.7	6.1		47.02	31.91	9.5		141	126
1×4	0.7	6.6		63	38.91	9.97		163.4	139
1×6	0.7	7.1		84	47.57	10.48		191	155
1×10	0.7	8.5		128	67.85	11.86		255	194
1×16	0.7	9.5		184	89.08	12.85		324	229
1×25	0.9	11.0		276	126.50	14.44		438	289
1×35	0.9	12.2		367	160.00	15.58		545	338
1×50*	1.0	13.2		494	202.18	16.60		687	394
1×70*	1.1	15.0		698	276	18.40		915	496
1×95*	1.1	16.9		947	361.47	20.10		1172	587
1×120*	1.2	18.3		1175	443.74	21.50		1418	691
1×150*	1.4	20.5		1451	543.09	23.50		1714	805
1×185*	1.6	22.5		1799	669.02	25.50		2087	957
1×240*	1.7	25.3		2335	854.88	28.10		2648	1167
1×300*	1.8	28.0		2917	1052.9	30.80		3267	1402
1×400*	2.0	31.1		3718	1346.16	33.90		4110	1736
1×500*	2.2	35.0		4753	1692.01	39.80		5565	2504
	2.4	39.5		6099	2160.92	44.10		7000	3062
1×800*	2.6	44.0		7766	2718.55	48.80		8794	3747

XLPE Insulated Power Cable for rated Voltage 0.6/1kV

Nominal cross-sectional area of conductor mm ²	Diameter of conductor mm	YJV YJLV YJY YJLY					YJV22 YJLV22 YJN23 YJLV23					YJV32 YJLV32 YJV33 YJLV33				
		Approx overall diameter mm			Cable weight, max kg/km		Approx overall diameter mm			Cable weight, max kg/km		Approx overall diameter mm			Cable weight, max kg/km	
		Sector	Circular	Tile shape	YJV YJY	YJLV YJLY	Sector	Circular	Tile shape	YJV22 YJV23	YJLV23	Sector	Circular	Tile shape	YJV32 YJV33	YJLV32 YJLV33
2×1.5	0.7	—	9.7	—	99	—	—	—	—	—	—	—	—	—	—	—
2×2.5	0.7	—	10.5	—	127	95	—	11.9	—	218	187	—	—	—	—	—
2×4	0.7	—	11.5	—	164	115	—	12.9	—	265	215	—	—	—	—	—
2×6	0.7	—	12.5	—	214	139	—	13.9	—	325	250	—	—	—	—	—
2×10	0.7	—	14.8	—	324	195	—	16.2	—	447	318	—	20.0	—	912	803
2×16	0.7	—	16.8	—	460	257	—	18.2	—	602	398	—	22.0	—	1117	928
2×25	0.9	—	20.4	—	691	369	—	21.8	—	863	540	—	25.6	—	1488	1189
2×35	0.9	—	22.6	—	907	460	—	24.0	—	1099	651	—	27.8	—	1800	1328
2×50*	1.0	22.4	24.6	—	1039	545	—	26.0	—	1199	732	26.4	30.6	—	2191	1559
2×70*	1.1	25.0	28.6	—	1456	646	—	30.2	—	1640	830	30.0	35.2	—	2850	1733
2×95*	1.1	29.8	32.2	—	1973	849	—	33.6	—	2437	1314	34.0	39.0	—	3546	2022
2×120*	1.2	31.4	35.6	—	2459	1042	—	38.4	—	2966	1549	35.4	42.4	—	4269	2328
2×150*	1.4	35.6	39.4	—	3398	1520	—	42.2	—	4146	2268	40.6	47.2	—	5365	3799
2×185*	1.6	38.8	43.8	—	4042	1800	—	46.6	—	4862	2620	44.4	52.2	—	6952	4305
2×240	1.7	—	49.6	—	5264	2329	—	53.0	—	6148	3213	—	57.8	—	8413	5124
2×300*	1.8	—	54.8	—	7345	3076	—	58.0	—	7622	3853	—	63.5	—	10159	6408
3×1.5	0.7	—	10.2	—	120	—	—	—	—	—	—	—	—	—	—	—
3×2.5	0.7	—	11.0	—	158	111	—	12.4	—	254	207	—	—	—	—	—
3×4	0.7	—	12.0	—	210	135	—	13.4	—	316	242	—	—	—	—	—

3×6	0.7	—	13.1	—	280	167	—	14.7	—	397	284	—	—	—	—	—
3×10	0.7	—	15.6	—	430	238	—	17.0	—	560	368	—	20.8	—	1049	856
3×16	0.7	—	17.8	—	623	318	—	19.2	—	773	468	—	23.0	—	1323	1017
3×25	0.9	—	21.7	—	947	463	—	23.1	—	1130	646	—	26.9	—	1779	1296
3×35	0.9	—	24.1	—	1254	584	—	25.5	—	1458	787	—	29.5	—	2174	1504
3×50*	1.0	23.9	26.2	—	1518	677	28.6	27.6	—	1714	873	28.6	31.8	—	2433	1592
3×70*	1.1	26.9	30.8	—	2143	929	28.2	32.2	—	2663	1449	33.6	37.6	—	3429	2215
3×95*	1.1	30.3	35.0	—	2897	1212	33.5	37.2	—	3480	1794	37.0	41.8	—	4327	2641
3×120*	1.2	33.7	38.7	—	3834	1593	36.9	40.9	—	4549	2309	40.6	46.7	—	5567	3327
3×150*	1.4	37.5	43.0	—	4827	2010	40.5	45.2	—	5647	2811	45.1	51.4	—	7269	4452
3×185	1.6	42.1	47.7	—	5747	2384	45.3	49.9	—	6626	3263	49.6	56.1	—	8466	5103
3×240*	1.7	46.5	53.3	—	7448	3045	50.0	55.5	—	8432	4029	54.2	62.1	—	10508	6106
3×300*	1.8	51.7	59.1	—	9463	3810	55.2	61.3	—	10550	4896	59.2	67.9	—	12831	7177
3×400*	2.0	57.4	66.4	—	12225	4885	60.9	68.4	—	13455	6115	66.0	76.5	—	17033	9692

XLPE Insulated Power Cable for rated Voltage 0.6/1kV

Nominal cross-sectional area of conductor mm ²	Diameter of conductor mm	YJV YJLV YJY YJLY					YJV22 YJLV22 YJN23 YJLV23					YJV32 YJLV32 YJV33 YJLV33				
		Approx overall diameter mm			Cable weight, max kg/km		Approx overall diameter mm			Cable weight, max kg/km		Approx overall diameter mm			Cable weight, max kg/km	
		Sector	Circular	Tile shape	YJV YJY	YJLV YJLY	Sector	Circular	Tile shape	YJV22 YJV23	YJLV23 YJLV23	Sector	Circular	Tile shape	YJV32 YJV33	YJLV32 YJLV33
4×1.5	0.7	—	10.9	—	145	—	—	12.3	—	241	—	—	—	—	—	
4×2.5	0.7	—	11.8	—	194	131	—	13.2	—	299	236	—	—	—	—	
4×4	0.7	—	13.0	—	261	162	—	14.4	—	377	277	—	—	—	—	
4×6	0.7	—	14.2	—	352	201	—	15.6	—	480	329	—	—	—	—	
4×10	0.7	—	16.9	—	547	290	—	18.4	—	690	433	—	22.2	—	1217 960	
4×16	0.7	—	19.4	—	799	392	—	20.8	—	964	557	—	24.6	—	1560 1153	
4×25	0.9	—	23.8	—	1222	577	—	25.2	—	1424	779	—	29.0	—	2132 1487	
4×35	0.9	—	26.5	—	1626	731	—	27.9	—	1851	957	—	31.9	—	2649 1755	
4×50*	1.0	28.0	29.5	—	2005	884	29.0	30.5	—	2512	1391	34.4	35.5	—	3218 2097	
4×70*	1.1	32.0	34.1	—	2855	1236	32.0	36.7	—	3443	1824	38.8	40.9	—	4312 2692	
4×95*	1.1	37.5	38.8	—	3843	1595	38.1	41.0	—	4511	2264	45.5	46.8	—	5468 3221	
4×120*	1.2	40.2	43.1	—	5052	2064	40.9	45.3	—	5848	2860	48.6	57.5	—	7479 4492	
4×150*	1.4	44.0	47.6	—	6336	2579	45.1	49.8	—	7226	3470	52.4	56.0	—	9090 5333	
4×185*	1.6	50.8	53.1	—	7569	3085	51.3	55.3	—	8548	4064	59.6	61.9	—	10587 6103	
4×240*	1.7	56.8	59.3	—	9809	3939	56.9	61.5	—	10882	5010	65.7	68.1	—	13238 7368	
4×300*	1.8	62.0	65.8	—	12467	4929	61.7	68.0	—	13679	6041	72.1	75.9	—	16273 8368	
4×400*	2.0	69.7	73.9	—	16139	6351	68.9	76.1	—	17512	7725	80.2	84.4	—	21519 11732	
5×1.5	0.7	—	11.7	—	171	—	—	13.1	—	274	—	—	—	—	—	
5×2.5	0.7	—	12.7	—	231	152	—	14.1	—	344	266	—	—	—	—	

5×4	0.7	—	14.0	—	314	190	—	15.4	—	439	315	—	—	—	—	—
5×6	0.7	—	15.4	—	426	237	—	16.8	—	565	377	—	—	—	—	—
5×10	0.7	—	18.5	—	666	346	—	19.9	—	839	519	—	23.7	—	1391	1071
5×16	0.7	—	21.2	—	978	470	—	22.6	—	1180	671	—	26.4	—	1805	1296
5×25	0.9	—	26.1	—	1503	697	—	27.5	—	1749	943	—	31.5	—	2510	1704
5×35	0.9	—	29.0	—	2004	887	—	30.6	—	2318	1201	—	35.4	—	3375	2258
5×50*	1.0	—	32.7	—	2605	1132	—	33.5	—	3314	1841	—	39.5	—	4093	2620
5×70*	1.1	—	38.3	35.8	3617	1536	—	40.5	38.0	4414	2332	—	45.1	42.6	5326	3244
5×95*	1.1	—	43.1	40.6	5006	2053	—	45.1	42.6	5906	2953	—	51.3	48.8	7432	4479
5×120*	1.2	—	47.6	44.0	6276	2541	—	49.8	46.2	7271	3536	—	56.0	52.4	8999	5265
5×150*	1.4	—	52.8	49.0	7897	3201	—	55.0	51.2	5647	2811	—	61.6	57.8	10936	6241
5×185*	1.6	—	58.9	54.2	9297	3692	—	61.1	56.4	6626	3263	—	67.7	63.0	12793	7188
5×240*	1.7	—	65.8	61.9	12220	4882	—	68.0	63.2	8432	4029	—	75.9	71.1	16041	8703
5×300*	1.8	—	72.9	67.2	15530	6108	—	75.1	69.4	10550	4896	—	83.6	77.9	20754	11332
5×400*	2.0	—	82.1	—	20143	7899	—	85.5	—	13455	6115	—	92.6	—	26123	13889

* Compacted conductor

XLPE Insulated Power Cable for rated Voltage 0.6/1kV

Nominal cross-sectional area of conductor mm ²	No. Of Cores	Diameter of conductor mm	YJV YJLV YJY YJLY					YJV22 YJLV22 YJN23 YJLV23					YJV32 YJLV32 YJV33 YJLV33				
			Approx overall diameter mm			Cable weight, max kg/km		Approx overall diameter mm			Cable weight, max kg/km		Approx overall diameter mm			Cable weight, max kg/km	
			Sector	Circular	Tile shape	YJV YJY	YJLV YJLY	Sector	Circular	Tile shape	YJV22 YJV23	YJLV23 YJLV23	Sector	Circular	Tile shape	YJV32 YJV33	YJLV32 YJLV33
3×1.5+1×1	3	0.7															
	1	0.7	—	10.9	—	138	—	—	12.7	—	233	—	—	—	—	—	
3×2.5+1×1.5	3	0.7															
	1	0.7	—	11.6	—	181	—	—	13.0	—	283	—	—	—	—	—	
3×4+1×2.5	3	0.7															
	1	0.7	—	12.7	—	245	154	—	14.1	—	356	266	—	—	—	—	
3×6+1×4	3	0.7															
	1	0.7	—	13.9	—	329	191	—	15.3	—	453	315	—	—	—	—	
3×10+1×6	3	0.7															
	1	0.7	—	16.3	—	497	267	—	17.7	—	632	402	—	21.5	—	1137 923	
3×16+1×10	3	0.7															
	1	0.7	—	18.8	—	734	365	—	20.2	—	893	524	—	24.0	—	1471 1101	
3×25+1×16	3	0.9															
	1	0.7	—	22.7	—	1114	528	—	24.1	—	1306	720	—	27.9	—	1984 1398	
3×35+1×16	3	0.9															
	1	0.7	—	24.7	—	1414	642	—	26.1	—	1624	851	—	30.1	—	2372 1599	
3×50+1×25	3*	1.0															
	1	0.9	27.5	28.6	—	1807	805	28.8	29.2	—	2036	1034	34.8	34.0	—	2807 1805	
3×70+1×35	3*	1.1															
	1	0.9	30.5	32.1	—	2559	1121	31.8	33.7	—	3158	1721	37.9	39.1	—	4012 2574	
3×95+1×50	3*	1.1															
	1	1.0	34.9	36.6	—	3450	1461	37.1	38.6	—	4125	2136	42.1	43.4	—	5038 3049	
3×120+1×70	3*	1.2															
	1	1.1	37.7	40.9	—	4502	1845	40.7	43.1	—	5263	2606	46.1	48.9	—	6809 4151	
3×150+1×70	3*	1.4															
	1	1.1	41.2	44.3	—	5460	2226	44.4	46.6	—	6292	3058	50.0	52.8	—	7991 4758	
3×185+1×95	3*	1.6															
	1	1.1	47.6	49.6	—	6658	2705	49.3	51.8	—	7576	3623	56.4	58.0	—	9444 5491	
3×240+1×120	3*	1.7															
	1	1.2	53.2	55.3	—	8591	2441	56.0	57.5	—	9617	4467	62.4	64.1	—	11722 6573	
3×300+1×150	3*	1.8															
	1	1.4	58.0	61.3	—	10906	4313	61.5	63.3	—	12014	5421	67.7	69.9	—	14392 7799	
3×400+1×185	3*	2.0															
	1	1.6	65.0	68.6	—	13938	5476	68.0	70.8	—	15217	6755	76.1	79.3	—	18892 9906	

* Compacted conductor

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Nominal cross-sectional area of conductor mm ²	No. Of Cores	Diameter of conductor mm	YJV YJLV YJY YJLY					YJV22 YJLV22 YJN23 YJLV23					YJV32 YJLV32 YJV33 YJLV33				
			Approx overall diameter mm			Cable weight, max kg/km		Approx overall diameter mm			Cable weight, max kg/km		Approx overall diameter mm			Cable weight, max kg/km	
			Sector	Circular	Tile shape	YJV YJY	YJLV YJLY	Sector	Circular	Tile shape	YJV22 YJV23	YJLV23 YJLV23	Sector	Circular	Tile shape	YJV32 YJV33	YJLV32 YJLV33
4×1.5+1×1	4	0.7															
	1	0.7	—	11.8	—	165	—	—	13.6	—	266	—	—	—	—	—	
4×2.5+1×1.5	4	0.7															
	1	0.7	—	12.5	—	219	—	—	13.9	—	330	—	—	—	—	—	
4×4+1×2.5	4	0.7															
	1	0.7	—	13.7	—	297	182	—	15.1	—	420	305	—	—	—	—	
4×6+1×4	4	0.7															
	1	0.7	—	15.1	—	403	228	—	16.5	—	540	364	—	—	—	—	
4×10+1×6	4	0.7															
	1	0.7	—	17.9	—	617	323	—	19.3	—	767	473	—	23.1	—	1317 1023	
4×16+1×10	4	0.7															
	1	0.7	—	20.7	—	915	445	—	22.1	—	1092	621	—	25.9	—	1722 1251	
4×25+1×16	4	0.9															
	1	0.7	—	25.1	—	1397	650	—	26.5	—	1611	864	—	30.5	—	2370 1624	
4×35+1×16	4	0.9															
	1	0.7	—	27.5	—	1796	800	—	28.9	—	2012	1049	—	33.1	—	2858 1863	
4×50+1×25	4*	1.0															
	1	0.9	—	31.4	—	2371	1039	—	32.4	—	2961	1627	—	38.3	—	3815 2482	
4×70+1×35	4*	1.1															
	1	0.9	—	32.1	—	2559	1121	31.8	33.7	—	3158	1721	—	39.1	—	4012 2574	
4×95+1×50	4*	1.1															
	1	1.0	—	36.6	—	3450	1461	37.1	38.6	—	4125	2136	—	43.4	—	5038 3049	
4×120+1×70	4*	1.2															
	1	1.1	—	40.9	—	4502	1845	40.7	43.1	—	5263	2606	—	48.9	—	6809 4151	
4×150+1×70	4*	1.4															
	1	1.1	—	44.3	—	5460	2226	44.4	46.6	—	6292	3058	—	52.8	—	7991 4758	
4×185+1×95	4*	1.6															
	1	1.1	—	49.6	—	6658	2705	49.3	51.8	—	7576	3623	—	58.0	—	9444 5491	
4×240+1×120	4*	1.7															
	1	1.2	—	55.3	—	8591	2441	56.0	57.5	—	9617	4467	—	64.1	—	11722 6573	
4×300+1×150	4*	1.8															
	1	1.4	—	61.3	—	10906	4313	61.5	63.3	—	12014	5421	—	69.9	—	14392 7799	
4×400+1×185	4*	2.0															
	1	1.6	—	68.6	—	13938	5476	68.0	70.8	—	15217	6755	—	79.3	—	18892 9906	