

XLPE insulated fire resistant power cable, 0.6/1kV, armored & unarmored
CU/MT/XLPE/PVC, CU/MT/XLPE/PVC/AWA/PVC,
CU/MT/XLPE/PVC/SWA/PVC

Conductor			Insulation	Unarmored cable		Armored cable	
Nominal area	No./diam. of strand	Diam. of conductor	Thickness	Approx. overall diam.	Approx. weight	Approx. overall diam.	Approx. weight
(mm ²)	(no./mm)	(mm)	(mm)	(mm)	(kg/km)	(mm)	(kg/km)
Aluminum wire armor							
Single core							
1.5	7/0.53	1.6	0.7	6.6	60	-	-
2.5	7/0.67	2.0	0.7	7.0	74	-	-
4	7/0.85	2.6	0.7	7.6	92	-	-
6	7/1.04	3.1	0.7	8.3	120	-	-
10	7/1.35	4.1	0.7	9.4	167	-	-
16	7/1.70	5.1	0.7	10.4	230	-	-
25	7/2.14	6.4	0.9	12.1	336	-	-
35	19/1.53	7.7	0.9	13.4	446	-	-
50	19/1.78	8.9	1.0	14.8	578	19.1	800
70	19/2.14	10.7	1.1	16.3	804	20.6	1026
95	19/2.52	12.6	1.1	18.6	1054	23.0	1326
120	37/2.03	14.2	1.2	20.1	1323	25.0	1655
150	37/2.25	15.8	1.4	22.2	1607	27.0	1970
185	37/2.52	17.6	1.6	25.0	1999	29.4	2391
240	61/2.25	20.3	1.7	27.9	2597	33.8	2999
300	61/2.52	22.7	1.8	30.9	3195	36.2	3616
400	61/2.85	25.7	2.0	34.7	4047	40.7	4684
500	61/3.20	28.8	2.2	38.2	5096	44.6	5851
630	127/2.52	32.8	2.4	42.6	6468	49.5	7379
800	127/2.85	37.1	2.6	47.5	8134	55.7	9486
1000	127/3.20	41.6	2.8	52.9	10249	60.3	11740
Steel wire armor							
Two-core							
1.5	7/0.53	1.6	0.7	12.0	147	15.0	441
2.5	7/0.67	2.0	0.7	12.3	189	16.2	501
4	7/0.85	2.6	0.7	13.5	245	17.2	583
6	7/1.04	3.1	0.7	14.7	319	18.4	793
10	7/1.35	4.1	0.7	17.2	403	21.6	921
16	7/1.70	5.1	0.7	19.1	539	23.5	1078
25	7/2.14	6.4	0.9	22.1	776	27.0	1601
35	19/1.53	7.7	0.9	25.5	1022	30.4	1960
50	19/1.78	8.9	1.0	28.4	1310	33.3	2401
70	19/2.14	10.7	1.1	31.7	1791	37.0	3136
95	19/2.52	12.6	1.1	35.3	2371	42.6	4066
Three-core							
1.5	7/0.53	1.6	0.7	12.1	167	16.2	412

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(mm ²)	(no./mm)	(mm)	(mm)	(mm)	(kg/km)	(mm)	(kg/km)
2.5	7/0.67	2.0	0.7	13.5	196	16.7	490
4	7/0.85	2.6	0.7	14.9	294	18.1	588
6	7/1.04	3.1	0.7	16.5	372	19.4	865
10	7/1.35	4.1	0.7	18.2	539	22.1	1064
16	7/1.70	5.1	0.7	20.6	745	24.5	1343
25	7/2.14	6.2	0.9	23.5	1047	28.4	1862
35	19/1.53	7.3	0.9	26.9	1392	32.5	2409
50	19/1.78	8.5	1.0	29.9	1801	36.1	2946
70	19/2.14	10.1	1.1	33.8	2485	41.2	4122
95	19/2.52	11.8	1.1	38.2	3333	45.1	5292
120	37/2.03	13.0	1.2	41.7	4119	48.0	6321
150	37/2.25	14.4	1.4	45.6	4998	53.9	8036
185	37/2.52	16.2	.6	51.0	6230	58.8	9604
240	61/2.25	18.8	1.7	57.4	8061	66.6	12054
300	61/2.52	21.3	1.8	63.2	10008	72.5	14504
400	61/2.85	24.3	2.0	71.5	12740	81.3	17248
Four-core							
1.5	7/0.53	1.6	0.7	14.0	186	15.7	466
2.5	7/0.67	2.0	0.7	14.9	243	17.4	559
4	7/0.85	2.6	0.7	16.2	328	19.4	676
6	7/1.04	3.1	0.7	17.6	431	21.2	921
10	7/1.35	4.1	0.7	20.2	657	24.0	1242
16	7/1.70	5.1	0.7	23.1	914	27.5	1740
25	7/2.14	6.2	0.9	26.2	1337	31.0	2352
35	19/1.53	7.3	0.9	29.8	1786	35.4	2914
50	19/1.78	8.5	1.0	33.4	2338	40.4	3946
70	19/2.14	10.1	1.1	37.7	3258	44.6	5194
95	19/2.52	11.8	1.1	42.1	4346	50.3	6772
120	37/2.03	13.0	1.2	45.6	5382	54.2	8330
150	37/2.25	14.4	1.4	50.5	6557	59.0	9489
185	37/2.52	16.2	.6	56.4	8174	65.1	11529
240	61/2.25	18.8	1.7	63.7	10582	72.5	14318
300	61/2.52	21.3	1.8	70.5	13143	80.4	17246
400	61/2.85	24.3	2.0	79.4	16660	90.2	24990
Five-core							
1.5	7/0.53	1.6	0.7	14.9	268	18.8	576
2.5	7/0.67	2.0	0.7	16.1	323	20.2	661
4	7/0.85	2.6	0.7	17.4	425	22.4	909
6	7/1.04	3.1	0.7	19.1	536	24.1	1061
10	7/1.35	4.1	0.7	21.6	764	27.2	1645
16	7/1.70	5.1	0.7	24.3	1083	30.0	2054
25	7/2.14	6.2	0.9	28.4	1593	34.1	2710
35	19/1.53	7.3	0.9	33.1	2225	39.2	3347
50	19/1.78	8.5	1.0	37.2	2818	44.1	4154
70	19/2.14	10.0	1.1	42.1	3888	49.4	5802
95	19/2.52	11.8	1.1	47.5	5248	56.1	7892
120	37/2.03	13.0	1.2	51.5	6615	60.2	9390

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(mm ²)	(no./mm)	(mm)	(mm)	(mm)	(kg/km)	(mm)	(kg/km)
150	37/2.25	14.4	1.4	56.6	8056	65.9	11136
185(37/2.52	16.2	1.6	63.2	10045	72.0	13451

*For two and more core cables, the conductor is circular compact stranded when the conductor area is $\geq 25\text{mm}^2$.

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