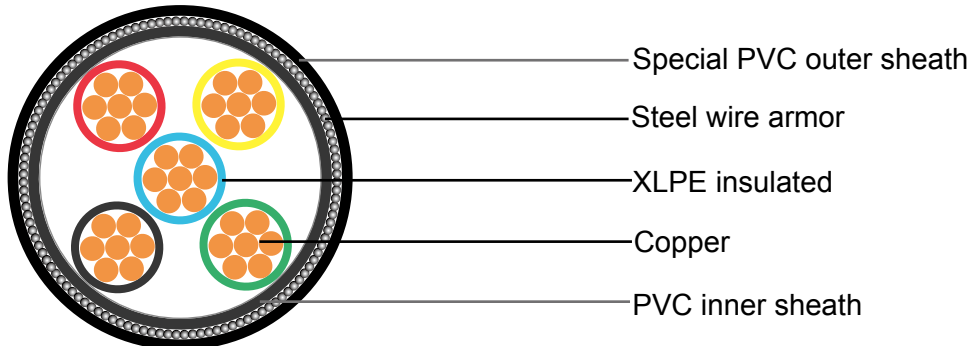




## 600V/1000V XLPE Insulated Steel Wire Armored Cable to IEC 60502-1



XLPE Insulated Steel Wire Armored Cable to IEC 60502-1

### Applications

These cables are used for electricity supply in low voltage installation system. They are suitable for installation in indoors and outdoors, in cable ducts, under ground, in power and switching stations, local energy distributions, industrial plants, where require chemical and mechanical protections.

### Construction

Conductor: Solid or stranded copper

Insulation: XLPE

Core identification

- 1 Core: Red or Black
- 2 Cores: Red, Black
- 3 Cores: Red, Yellow, Blue
- 4 Cores: Red, Yellow, Blue, Black
- 5 Cores: Red, Yellow, Blue, Black, Green
- Above 5 cores: Black core printed with white numbers

Inner sheath: PVC. Color: black

Armor: Galvanized steel wires or aluminium wires for 1 core cable

Sheath: Special PVC. Color: black

### Properties

Rated voltage: 600V/1000V

Fire retardance: IEC 60332-3-22

Operating temperature: -20~60°C

Max. conductor operating temperature: 90°C

Chemical resistance: Aliphatic and aromatic hydrocarbon resistance



# Cables for Oil Industry

No. of Cores	Conductor		Diameter over Insulation	Diameter over Inner Sheath	Diameter over Armor	Min. O.D.	Max. O.D.	Approx. Weight
	Cross-section (mm <sup>2</sup> )	Type	(mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)
1	25	Stranded, Class 2	7.9	9.9	13.7	16.8	18.6	560
1	35	Stranded, Class 2	8.9	10.9	14.7	17.75	19.6	669
1	50	Stranded, Class 2	10.2	12.2	16.0	19.01	21.0	823
1	70	Stranded, Class 2	12.0	14.0	17.8	20.76	22.9	1047
1	95	Stranded, Class 2	13.55	15.6	19.4	22.31	24.6	1321
1	120	Stranded, Class 2	15.26	17.3	21.1	23.96	26.4	1586
1	150	Stranded, Class 2	16.97	19.0	22.8	25.61	28.2	1875
1	185	Stranded, Class 2	19.05	21.0	24.9	27.64	30.5	2277
1	240	Stranded, Class 2	21.6	23.6	27.4	30.26	33.4	2875
1	300	Stranded, Class 2	24.2	26.2	30.0	32.98	36.4	3514
1	400	Stranded, Class 2	27.7	30.1	33.9	36.96	40.8	4430
1	500	Stranded, Class 2	31.4	33.8	37.6	40.74	44.9	5546
1	630	Stranded, Class 2	36.2	38.6	42.4	45.59	50.3	7018
2	1.5	Solid, Class 1	2.79	7.9	9.68	12.88	14.2	343
2	1.5	Stranded, Class 2	2.9	8.2	10.0	13.19	14.6	358
2	2.5	Solid, Class 1	3.15	8.6	10.4	13.58	15.0	388
2	2.5	Stranded, Class 2	3.31	9.1	10.9	14.06	15.5	413
2	4	Solid, Class 1	3.61	9.5	11.32	14.47	16.0	454
2	4	Stranded, Class 2	3.83	10.2	12.0	15.13	16.7	491
2	6	Stranded, Class 2	4.35	11.0	12.8	15.91	17.5	562
2	10	Stranded, Class 2	5.25	12.8	15.3	18.33	20.2	831
2	16	Stranded, Class 2	6.25	14.8	17.3	20.27	22.4	1044
2	25	Stranded, Class 2	7.9	18.1	21.3	24.15	26.6	1576
2	35	Stranded, Class 2	8.9	20.1	23.3	26.09	28.8	1899
2	50	Stranded, Class 2	10.2	22.8	26.0	28.71	31.7	2331



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2	70	Stranded, Class 2	12.0	26.4	29.6	32.59	36.0	3025
2	95	Stranded, Class 2	13.55	29.9	33.9	36.96	40.8	4086
2	120	Stranded, Class 2	15.26	33.3	37.3	40.45	44.6	4886
2	150	Stranded, Class 2	16.97	36.7	40.7	43.94	48.5	5772
2	185	Stranded, Class 2	19.05	41.3	46.3	49.76	54.9	7515
2	240	Stranded, Class 2	21.6	46.4	51.4	55.1	60.8	9278
2	300	Stranded, Class 2	24.2	52.0	57.0	60.72	67.0	11248
3	1.5	Solid, Class 1	2.79	8.3	10.13	13.32	14.7	368
3	1.5	Stranded, Class 2	2.9	8.7	10.47	13.65	15.1	388
3	2.5	Solid, Class 1	3.15	9.1	10.9	14.06	15.5	426
3	2.5	Stranded, Class 2	3.31	9.6	11.44	14.59	16.1	451
3	4	Solid, Class 1	3.61	10.1	11.9	15.04	16.6	506
3	4	Stranded, Class 2	3.83	10.8	12.6	15.71	17.3	543
3	6	Stranded, Class 2	4.35	11.7	13.5	16.59	18.3	631
3	10	Stranded, Class 2	5.25	13.6	16.1	19.11	21.1	942
3	16	Stranded, Class 2	6.25	15.8	18.3	21.24	23.4	1214
3	25	Stranded, Class 2	7.9	19.4	22.6	25.41	28.0	1827
3	35	Stranded, Class 2	8.9	21.5	24.7	27.45	30.3	2230
3	50	Stranded, Class 2	10.2	24.4	27.6	30.46	33.6	2792
3	70	Stranded, Class 2	12.0	28.7	32.7	35.6	39.3	3949
3	95	Stranded, Class 2	13.55	32.1	36.1	39.28	43.3	4959
3	120	Stranded, Class 2	15.26	35.8	39.8	43.07	47.5	5981
3	150	Stranded, Class 2	16.97	39.9	44.9	48.4	53.4	7628
3	185	Stranded, Class 2	19.05	44.4	49.4	52.96	58.4	9204
3	240	Stranded, Class 2	21.6	50.3	55.3	59.07	65.2	11531
3	300	Stranded, Class 2	24.2	55.9	60.9	64.89	71.6	13978
4	1.5	Solid, Class 1	2.79	9.0	10.85	14.02	15.5	411
4	1.5	Stranded, Class 2	2.9	9.4	11.24	14.4	15.9	427
4	2.5	Solid, Class 1	3.15	9.9	11.72	14.86	16.4	479



# Cables for Oil Industry

4	2.5	Stranded, Class 2	3.31	10.5	12.3	15.42	17.0	506
4	4	Solid, Class 1	3.61	11.0	12.8	15.91	17.5	579
4	4	Stranded, Class 2	3.83	11.9	13.7	16.78	18.5	621
4	6	Stranded, Class 2	4.35	12.8	15.3	18.33	20.2	837
4	10	Stranded, Class 2	5.25	15.0	17.5	20.47	22.6	1093
4	16	Stranded, Class 2	6.25	17.4	20.6	23.47	25.9	1569
4	25	Stranded, Class 2	7.9	21.4	24.6	27.35	30.2	2168
4	35	Stranded, Class 2	8.9	23.9	27.1	29.97	33.1	2702
4	50	Stranded, Class 2	10.2	27.1	30.3	33.27	36.7	3382
4	70	Stranded, Class 2	12.0	31.8	35.8	38.99	43.0	4807
4	95	Stranded, Class 2	13.55	35.6	39.6	42.87	47.3	6066
4	120	Stranded, Class 2	15.26	40.1	45.1	48.6	53.6	7845
4	150	Stranded, Class 2	16.97	44.3	49.3	52.86	58.3	9313
4	185	Stranded, Class 2	19.05	49.3	54.3	58.1	64.1	11311
4	240	Stranded, Class 2	21.6	55.9	60.9	64.89	71.6	14243
4	300	Stranded, Class 2	24.2	62.2	67.2	71.39	78.8	17273
5	1.5	Solid, Class 1	2.79	9.8	11.6	14.7	16.3	467
5	1.5	Stranded, Class 2	2.9	10.3	12.1	15.23	16.8	480
5	2.5	Solid, Class 1	3.15	10.8	12.6	15.7	17.3	546
5	2.5	Stranded, Class 2	3.31	11.5	13.3	16.39	18.1	569
5	4	Solid, Class 1	3.61	12.1	14.6	17.7	19.5	774
5	4	Stranded, Class 2	3.83	13.0	15.5	18.53	20.4	816
5	6	Stranded, Class 2	4.35	14.0	16.6	19.59	21.6	957
5	10	Stranded, Class 2	5.25	16.5	19.0	21.92	24.2	1249
5	16	Stranded, Class 2	6.25	19.2	22.4	25.22	27.8	1820
5	25	Stranded, Class 2	7.9	23.7	26.9	29.58	32.6	2530
5	35	Stranded, Class 2	8.9	26.4	29.6	32.4	35.7	3185
5	50	Stranded, Class 2	10.2	30.3	34.3	37.34	41.2	4354
5	70	Stranded, Class 2	12.0	35.2	39.2	42.49	46.9	5703



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5	95	Stranded, Class 2	13.55	39.8	44.8	48.11	53.1	7719
5	120	Stranded, Class 2	15.26	44.4	49.4	52.96	58.4	9320
5	150	Stranded, Class 2	16.97	49.0	54.0	57.81	63.8	11067
5	185	Stranded, Class 2	19.05	55.0	60.0	64.02	70.6	13537
5	240	Stranded, Class 2	21.6	61.9	66.9	71.1	78.4	16954
5	300	Stranded, Class 2	24.2	69.3	75.6	79.93	88.2	21739
7	1.5	Stranded, Class 2	2.9	10.8	12.7	15.81	17.4	518
7	2.5	Stranded, Class 2	3.31	12.2	14.7	17.75	19.6	732
10	1.5	Stranded, Class 2	2.9	13.9	16.4	19.4	21.4	796
10	2.5	Stranded, Class 2	3.31	15.7	18.2	21.15	23.3	969
12	1.5	Stranded, Class 2	2.9	14.4	16.9	19.88	21.9	864
12	2.5	Stranded, Class 2	3.31	16.2	18.7	21.63	23.9	1047
14	1.5	Stranded, Class 2	2.9	15.1	17.6	20.56	22.7	922
14	2.5	Stranded, Class 2	3.31	17.1	19.6	22.5	24.8	1136
19	1.5	Stranded, Class 2	2.9	16.8	19.3	22.21	24.5	1080
19	2.5	Stranded, Class 2	3.31	19.1	22.3	25.12	27.7	1512
24	1.5	Stranded, Class 2	2.9	19.8	23.0	25.8	28.5	1491
24	2.5	Stranded, Class 2	3.31	22.5	25.7	28.42	31.4	1852
27	1.5	Stranded, Class 2	2.9	20.2	23.4	26.19	28.9	1559
27	2.5	Stranded, Class 2	3.31	23.0	26.2	28.91	31.9	1946
30	1.5	Stranded, Class 2	2.9	21.0	24.2	26.97	29.7	1644
30	2.5	Stranded, Class 2	3.31	23.9	27.1	29.97	33.1	2089
37	1.5	Stranded, Class 2	2.9	22.8	26.0	28.71	31.7	1870
37	2.5	Stranded, Class 2	3.31	25.9	29.1	31.91	35.2	2381