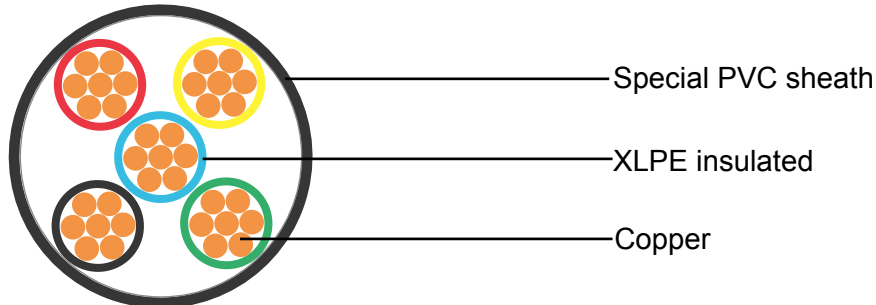




Cables for Oil Industry

600V/1000V XLPE Insulated Unarmored Cable to IEC 60502-1



XLPE Insulated Unarmored 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 chemicals may be present.

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

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

No. of Cores	Conductor		Diameter over Insulation (mm)	Min. O.D. (mm)	Max. O.D. (mm)	Approx. Weight (kg/km)
	Corss-section (mm ²)	Type				
1	25	Stranded, Class 2	7.9	10.6	11.9	325
1	35	Stranded, Class 2	8.9	11.6	13.0	422
1	50	Stranded, Class 2	10.2	13.3	14.8	562



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1	70	Stranded, Class 2	12.0	16.1	17.8	807
1	95	Stranded, Class 2	13.55	17.61	19.4	1057
1	120	Stranded, Class 2	15.26	19.26	21.2	1296
1	150	Stranded, Class 2	16.97	21.12	23.3	1585
1	185	Stranded, Class 2	19.05	23.13	25.5	1962
1	240	Stranded, Class 2	21.6	26.0	28.7	2547
1	300	Stranded, Class 2	24.2	28.71	31.7	3162
1	400	Stranded, Class 2	27.7	32.3	35.6	4010
1	500	Stranded, Class 2	31.4	36.28	40.0	5111
1	630	Stranded, Class 2	36.2	41.32	45.6	6560
2	1.5	Solid, Class 1	2.79	9.38	10.6	143
2	1.5	Stranded, Class 2	2.9	9.7	10.9	152
2	2.5	Solid, Class 1	3.15	10.1	11.3	176
2	2.5	Stranded, Class 2	3.31	10.6	11.9	189
2	4	Solid, Class 1	3.61	11.02	12.3	224
2	4	Stranded, Class 2	3.83	11.7	13.0	244
2	6	Stranded, Class 2	4.35	12.5	13.9	297
2	10	Stranded, Class 2	5.25	14.3	15.8	419
2	16	Stranded, Class 2	6.25	16.3	18.0	586
2	25	Stranded, Class 2	7.9	19.5	21.5	873
2	35	Stranded, Class 2	8.9	21.44	23.6	1126
2	50	Stranded, Class 2	10.2	24.06	26.5	1469
2	70	Stranded, Class 2	12.0	27.55	30.4	2010
2	95	Stranded, Class 2	13.55	30.55	33.7	2632
2	120	Stranded, Class 2	15.26	33.87	37.4	3270
2	150	Stranded, Class 2	16.97	37.77	41.7	4046
2	185	Stranded, Class 2	19.05	42.0	46.3	5051
2	240	Stranded, Class 2	21.6	47.34	52.2	6543
2	300	Stranded, Class 2	24.2	52.77	58.2	8175



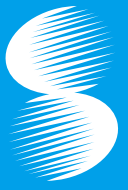
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3	1.5	Solid, Class 1	2.79	9.83	11.0	161
3	1.5	Stranded, Class 2	2.9	10.17	11.4	170
3	2.5	Solid, Class 1	3.15	10.6	11.9	202
3	2.5	Stranded, Class 2	3.31	11.14	12.4	215
3	4	Solid, Class 1	3.61	11.6	13.0	263
3	4	Stranded, Class 2	3.83	12.33	13.7	284
3	6	Stranded, Class 2	4.35	13.2	14.7	353
3	10	Stranded, Class 2	5.25	15.14	16.7	508
3	16	Stranded, Class 2	6.25	17.27	19.0	724
3	25	Stranded, Class 2	7.9	20.72	22.9	1088
3	35	Stranded, Class 2	8.9	22.81	25.2	1420
3	50	Stranded, Class 2	10.2	25.64	28.3	1864
3	70	Stranded, Class 2	12.0	29.41	32.4	2568
3	95	Stranded, Class 2	13.55	32.66	36.0	3400
3	120	Stranded, Class 2	15.26	36.43	40.2	4247
3	150	Stranded, Class 2	16.97	40.41	44.6	5231
3	185	Stranded, Class 2	19.05	45.15	49.8	6561
3	240	Stranded, Class 2	21.6	50.69	55.9	8496
3	300	Stranded, Class 2	24.2	56.91	62.8	10681
4	1.5	Solid, Class 1	2.79	10.55	11.8	187
4	1.5	Stranded, Class 2	2.9	10.94	12.2	197
4	2.5	Solid, Class 1	3.15	11.42	12.8	238
4	2.5	Stranded, Class 2	3.31	12.03	13.4	252
4	4	Solid, Class 1	3.61	12.5	14.0	314
4	4	Stranded, Class 2	3.83	13.36	14.8	337.2
4	6	Stranded, Class 2	4.35	14.33	15.9	424
4	10	Stranded, Class 2	5.25	16.5	18.2	625
4	16	Stranded, Class 2	6.25	18.85	20.8	901
4	25	Stranded, Class 2	7.9	22.72	25.1	1359



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4	35	Stranded, Class 2	8.9	25.16	27.8	1791
4	50	Stranded, Class 2	10.2	28.21	31.1	2348
4	70	Stranded, Class 2	12.0	32.44	35.8	3250
4	95	Stranded, Class 2	13.55	36.27	40.0	4334
4	120	Stranded, Class 2	15.26	40.67	44.9	5447
4	150	Stranded, Class 2	16.97	44.88	49.5	6688
4	185	Stranded, Class 2	19.05	50.34	55.5	8400
4	240	Stranded, Class 2	21.6	56.72	62.6	10917
4	300	Stranded, Class 2	24.2	63.4	69.9	13658
5	1.5	Solid, Class 1	2.79	11.3	12.7	220
5	1.5	Stranded, Class 2	2.9	11.77	13.1	232
5	2.5	Solid, Class 1	3.15	12.3	13.7	281
5	2.5	Stranded, Class 2	3.31	12.98	14.4	297
5	4	Solid, Class 1	3.61	13.6	15.0	377
5	4	Stranded, Class 2	3.83	14.47	16.0	403
5	6	Stranded, Class 2	4.35	15.55	17.2	511
5	10	Stranded, Class 2	5.25	17.93	19.8	747
5	16	Stranded, Class 2	6.25	20.54	22.7	1082
5	25	Stranded, Class 2	7.9	24.96	27.5	1650
5	35	Stranded, Class 2	8.9	27.58	30.4	2185
5	50	Stranded, Class 2	10.2	30.98	34.2	2873
5	70	Stranded, Class 2	12.0	36.08	39.8	4017
5	95	Stranded, Class 2	13.55	40.54	44.7	5364
5	120	Stranded, Class 2	15.26	45.2	49.9	6678
5	150	Stranded, Class 2	16.97	50.07	55.2	8197
5	185	Stranded, Class 2	19.05	55.91	61.7	10257
5	240	Stranded, Class 2	21.6	62.97	69.5	13310
5	300	Stranded, Class 2	24.2	70.36	77.6	16650
7	1.5	Stranded, Class 2	2.9	12.35	13.8	258



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7	2.5	Stranded, Class 2	3.31	13.7	15.2	341
10	1.5	Stranded, Class 2	2.9	15.4	17.0	360
10	2.5	Stranded, Class 2	3.31	17.17	18.9	479
12	1.5	Stranded, Class 2	2.9	15.9	17.6	431
12	2.5	Stranded, Class 2	3.31	17.65	19.5	581
14	1.5	Stranded, Class 2	2.9	17.17	18.9	507
14	2.5	Stranded, Class 2	3.31	19.11	21.1	683
19	1.5	Stranded, Class 2	2.9	18.82	20.8	633
19	2.5	Stranded, Class 2	3.31	21.05	23.2	863
24	1.5	Stranded, Class 2	2.9	21.73	24.0	815
24	2.5	Stranded, Class 2	3.31	24.35	26.9	1115
27	1.5	Stranded, Class 2	2.9	22.12	24.4	872
27	2.5	Stranded, Class 2	3.31	24.83	27.4	1201
30	1.5	Stranded, Class 2	2.9	22.89	25.2	946
30	2.5	Stranded, Class 2	3.31	25.7	28.4	1306
37	1.5	Stranded, Class 2	2.9	24.64	27.2	1118
37	2.5	Stranded, Class 2	3.31	27.64	30.5	1550

