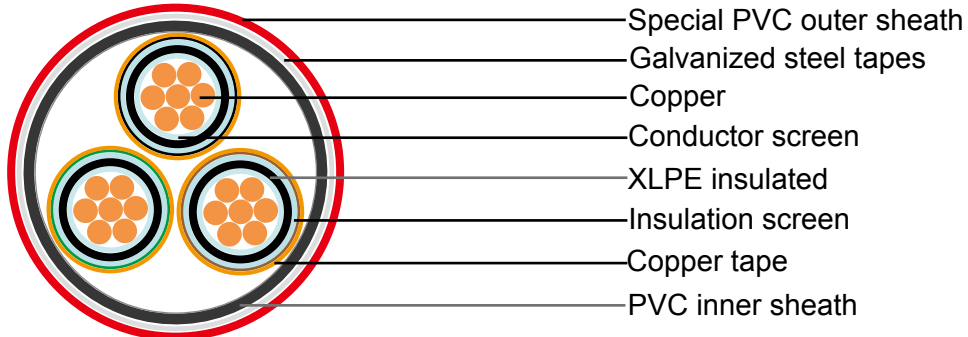




## Medium Voltage XLPE Insulated Galvanized Steel Tape Armored Cable to IEC 60502-2



### XLPE Insulated Galvanized Steel Tape Armored Cable to IEC 60502-2

#### Applications

These cables are suitable for installation mostly in power supply stations, indoors and in cable ducts, outdoors, underground and in water as well as for installation on cable trays for industries, switchboards and power stations, where require chemical and mechanical protection.

#### Standards

IEC 60228; IEC 60502-2

#### Construction

Conductor: Stranded bare copper (class 2)

Conductor screen: This will be an extruded layer of semi-conducting crosslinkable compound applied under simultaneous triple extrusion process over the conductor along with the insulation and the insulation screen.

Insulation: XLPE

Insulation screen: This will be a layer of semi-conducting crosslinkable compound which will be applied by triple extrusion process over the insulation.

Core identification:

1 Core: Natural

3 Cores: Black, Green, Brown

Inner sheath: PVC

Armor: Galvanized steel tapes or aluminum tapes for 1 core cable

Outer sheath: Special PVC. Color: red. U.V. resistance can be offered upon request.

#### Properties

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

## 1 Core

Conductor Cross- section	Diameter over Insulation	Diameter over Screen	Diameter over Inner Sheath	Diameter over Armor	Min. O.D.	Max. O.D.	Approx. Weight	Rated Voltage Uo/ U(Um)
(mm <sup>2</sup> )	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(kv)
25	12.3	13.7	17.7	20.0	30.1	33.2	1419	3.6 / 6 (7.2)
35	13.3	14.7	18.7	21.0	31.0	34.2	1562	3.6 / 6 (7.2)
50	14.4	15.8	19.8	22.1	32.1	35.4	1737	3.6 / 6 (7.2)
70	16.0	17.4	21.4	23.7	33.7	37.1	2018	3.6 / 6 (7.2)
95	17.55	19.0	23.0	25.3	35.2	38.8	2343	3.6 / 6 (7.2)
120	19.06	20.5	24.5	26.8	36.7	40.4	2650	3.6 / 6 (7.2)
150	20.37	21.8	25.8	28.1	37.9	41.8	2968	3.6 / 6 (7.2)
185	22.05	23.5	27.5	29.8	39.6	43.7	3400	3.6 / 6 (7.2)
240	24.6	26.0	30.0	32.3	42.0	46.3	4053	3.6 / 6 (7.2)
300	27.4	28.8	32.8	35.1	44.7	49.3	4790	3.6 / 6 (7.2)
400	30.9	32.3	36.3	38.6	48.1	53.1	5819	3.6 / 6 (7.2)
500	35.4	36.8	40.8	43.1	52.5	57.9	7094	3.6 / 6 (7.2)
630	39.8	41.2	45.3	47.6	57.2	63.1	8709	3.6 / 6 (7.2)
25	14.1	15.5	19.5	21.8	31.8	35.1	1553	6 / 10 (12)
35	15.1	16.5	20.5	22.8	32.8	36.2	1694	6 / 10 (12)
50	16.2	17.6	21.6	23.9	33.9	37.3	1879	6 / 10 (12)
70	17.8	19.2	23.2	25.5	35.4	39.1	2159	6 / 10 (12)
95	19.35	20.8	24.8	27.1	37.0	40.8	2487	6 / 10 (12)
120	20.86	22.3	26.3	28.6	38.4	42.4	2802	6 / 10 (12)
150	22.17	23.6	27.6	29.9	39.7	43.8	3124	6 / 10 (12)
185	23.85	25.3	29.3	31.6	41.3	45.6	3557	6 / 10 (12)
240	26.2	27.6	31.6	33.9	43.6	48.0	4212	6 / 10 (12)
300	28.6	30.0	34.0	36.3	45.9	50.6	4908	6 / 10 (12)
400	31.7	33.1	37.1	39.4	48.9	53.9	5899	6 / 10 (12)
500	35.8	37.2	41.2	43.5	52.9	58.3	7138	6 / 10 (12)
630	40.2	41.6	45.7	48.0	57.6	63.6	8757	6 / 10 (12)
25	16.3	17.7	21.7	24.0	34.0	37.5	1719	8.7 / 15 (17.5)
35	17.3	18.7	22.7	25.0	34.9	38.5	1873	8.7 / 15 (17.5)
50	18.4	19.8	23.8	26.1	36.0	39.7	2055	8.7 / 15 (17.5)
70	20.0	21.4	25.4	27.7	37.5	41.4	2341	8.7 / 15 (17.5)
95	21.55	23.0	27.0	29.3	39.1	43.1	2675	8.7 / 15 (17.5)
120	23.06	24.5	28.5	30.8	40.5	44.7	2995	8.7 / 15 (17.5)
150	24.37	25.8	29.8	32.1	41.8	46.1	3320	8.7 / 15 (17.5)



# Cables for Oil Industry

185	26.05	27.5	31.5	33.8	43.5	47.9	3761	8.7 / 15 (17.5)
240	28.4	29.8	33.8	36.1	45.7	50.4	4423	8.7 / 15 (17.5)
300	30.8	32.2	36.2	38.5	48.0	53.0	5123	8.7 / 15 (17.5)
400	33.9	35.3	39.3	41.6	51.0	56.3	6119	8.7 / 15 (17.5)
500	38.0	39.4	43.4	45.7	55.2	60.9	7403	8.7 / 15 (17.5)
630	42.4	43.8	47.9	50.2	59.9	66.1	9050	8.7 / 15 (17.5)
35	19.3	20.7	24.7	27.0	36.9	40.7	2034	12 / 20 (24)
50	20.4	21.8	25.8	28.1	37.9	41.8	2220	12 / 20 (24)
70	22.0	23.4	27.4	29.7	39.5	43.5	2513	12 / 20 (24)
95	23.55	25.0	29.0	31.3	41.0	45.3	2849	12 / 20 (24)
120	25.06	26.5	30.5	32.8	42.5	46.9	3174	12 / 20 (24)
150	26.37	27.8	31.8	34.1	43.7	48.3	3506	12 / 20 (24)
185	28.05	29.5	33.5	35.8	45.4	50.1	3952	12 / 20 (24)
240	30.4	31.8	35.8	38.1	47.6	52.5	4617	12 / 20 (24)
300	32.8	34.2	38.2	40.5	50.0	55.1	5329	12 / 20 (24)
400	35.9	37.3	41.3	43.6	53.2	58.6	6340	12 / 20 (24)
500	40.0	41.4	45.5	47.8	57.4	63.3	7684	12 / 20 (24)
630	44.4	45.8	49.9	52.2	61.9	68.3	9308	12 / 20 (24)
50	25.4	26.8	30.8	33.1	42.8	47.2	2663	18 / 30 (36)
70	27.0	28.4	32.4	34.7	44.3	48.9	2985	18 / 30 (36)
95	28.8	30.2	34.0	36.3	45.9	50.6	3319	18 / 30 (36)
120	30.06	31.5	35.5	37.8	47.3	52.2	3657	18 / 30 (36)
150	31.37	32.8	36.8	39.1	48.6	53.6	3994	18 / 30 (36)
185	33.05	34.5	38.5	40.8	50.2	55.4	4453	18 / 30 (36)
240	35.4	36.8	40.8	43.1	52.7	58.1	5159	18 / 30 (36)
300	37.8	39.2	43.2	45.5	55.2	60.9	5945	18 / 30 (36)
400	40.9	42.3	46.4	48.7	58.5	64.5	6981	18 / 30 (36)
500	45.0	46.4	50.5	52.8	62.7	69.1	8354	18 / 30 (36)

### 3 Cores

Conductor Cross- section	Diameter over Insulation	Diameter over Screen	Diameter over Inner Sheath	Diameter over Armor	Min. O.D.	Max. O.D.	Approx. Weight	Rated Voltage U <sub>0</sub> / U <sub>m</sub>
(mm <sup>2</sup> )	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(kv)
25	12.3	13.7	36.7	39.0	44.6	49.2	3534	3.6 / 6 (7.2)
35	13.3	14.7	38.9	41.2	46.8	51.6	4006	3.6 / 6 (7.2)
50	14.4	15.8	41.4	43.7	49.2	54.2	4584	3.6 / 6 (7.2)
70	16.0	17.4	44.9	47.2	52.6	58.0	5502	3.6 / 6 (7.2)
95	17.55	19.0	48.4	50.7	56.0	61.7	6575	3.6 / 6 (7.2)



# Cables for Oil Industry

120	19.06	20.5	51.7	54.0	59.2	65.3	7604	3.6 / 6 (7.2)
150	20.37	21.8	54.6	56.9	62.0	68.4	8663	3.6 / 6 (7.2)
185	22.05	23.5	58.3	60.6	65.6	72.3	10103	3.6 / 6 (7.2)
240	24.6	26.0	63.8	66.1	70.9	78.2	12332	3.6 / 6 (7.2)
25	14.1	15.5	40.7	43.0	48.5	53.5	3991	6 / 10 (12)
35	15.1	16.5	42.9	45.2	50.6	55.9	4489	6 / 10 (12)
50	16.2	17.6	45.3	47.6	53.0	58.4	5090	6 / 10 (12)
70	17.8	19.2	48.8	51.1	56.4	62.2	6032	6 / 10 (12)
95	19.35	20.8	52.4	54.7	59.8	66.0	7130	6 / 10 (12)
120	20.86	22.3	53.7	58.0	63.1	69.6	8136	6 / 10 (12)
150	22.17	23.6	58.5	60.8	65.8	72.5	9276	6 / 10 (12)
185	23.85	25.3	62.3	64.6	69.5	76.6	10736	6 / 10 (12)
240	26.2	27.6	67.3	69.6	74.3	82.0	12940	6 / 10 (12)
25	16.3	17.7	45.5	47.8	53.2	58.6	4609	8.7 / 15 (17.5)
35	17.3	18.7	47.7	50.0	55.3	61.0	5133	8.7 / 15 (17.5)
50	18.4	19.8	50.2	52.5	57.7	63.7	5757	8.7 / 15 (17.5)
70	20.0	21.4	53.7	56.0	61.1	67.4	6731	8.7 / 15 (17.5)
95	21.55	23.0	57.2	59.5	64.5	71.2	7866	8.7 / 15 (17.5)
120	23.06	24.5	60.5	62.8	67.7	74.7	8960	8.7 / 15 (17.5)
150	24.37	25.8	63.4	65.7	70.5	77.8	10063	8.7 / 15 (17.5)
185	26.05	27.5	67.1	69.4	74.1	81.7	11565	8.7 / 15 (17.5)
240	28.4	29.8	72.2	74.5	79.2	87.4	13856	8.7 / 15 (17.5)
300	30.8	32.2	77.4	81.1	86.0	94.9	17304	8.7 / 15 (17.5)
35	19.3	20.7	52.1	54.4	59.6	65.7	5751	12 / 20 (24)
50	20.4	21.8	54.6	56.9	62.0	68.4	6397	12 / 20 (24)
70	22.0	23.4	58.1	60.4	65.4	72.1	7409	12 / 20 (24)
95	23.55	25.0	61.6	63.9	68.8	75.9	8563	12 / 20 (24)
120	25.06	26.5	64.9	67.2	72.0	79.4	9687	12 / 20 (24)
150	26.37	27.8	67.8	70.1	74.8	82.5	10823	12 / 20 (24)
185	28.05	29.5	71.5	73.8	78.6	86.7	12398	12 / 20 (24)
240	30.4	31.8	76.6	80.2	85.2	93.9	15715	12 / 20 (24)
50	25.4	26.8	65.6	67.9	72.7	80.1	8167	18 / 30 (36)
70	27.0	28.4	69.1	71.4	76.0	83.9	9308	18 / 30 (36)
95	28.55	30.0	72.6	74.9	79.6	87.8	10535	18 / 30 (36)
120	30.06	31.5	75.9	79.6	84.6	93.3	12756	18 / 30 (36)
150	31.37	32.8	78.8	82.4	87.5	96.5	14027	18 / 30 (36)
185	33.05	34.5	82.5	86.2	91.4	100.8	15732	18 / 30 (36)