ILJIN Electric

Medium & Low Voltage Cable

- Power Cable
- Control Cable
- Instrument Cable
- Insulated Wire
- Coverd conductor

ILJIN Electric is a global leader in the heavy electrical industry providing the best products and services with cutting edge technology of world class and competitiveness.

ILJIN Electric Co,. Ltd. is a division of the ILJIN Group founded on providing new material and communication methods to the power transmission & distribution industry. Since our inception, we have experienced substantial growth fueled by our desire to become "your total solution provider for the 21st century". Moreover, the ILJIN Electric continues to increase our market share in the high-tech sector because of our 100% technological self-reliance.

Since its establishment in 1994, the Cable division that was able to manufacture, assemble and install the (extra) high voltage cable and accessories, has played a pivotal role which is the backbone of a nation's key industries by so providing world class cable networks in the power industry . We will do our best to elevate our status as g global company as we successfully carry out big projects in 30 countries around the world and domestically here in Korea. We aim to create customer value through best service, technology, passion and innovation.

Our key production included overhead transmission line, insulated wire, medium/low voltage cable, special cable, (Extra) high voltage cable and accessories.

Contents

Power Cable

0.6/1kV XLPE Insulated Unarmoured Cable

APPLICATIONS

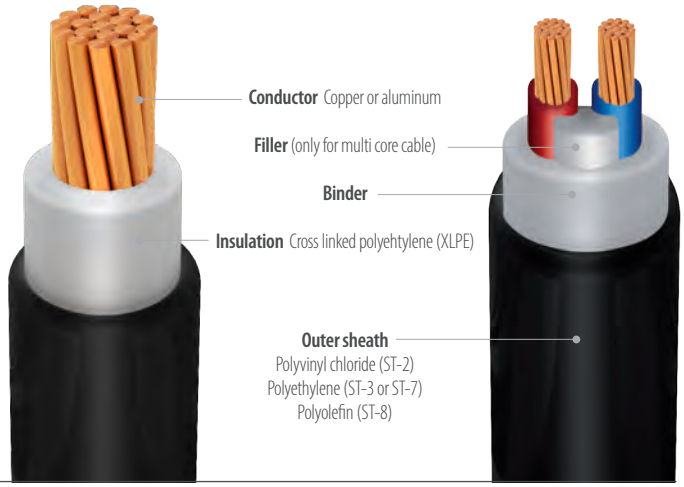
For installation in ground, outdoors, indoors and in cable ducts
for power stations, industry, and distribution networks

SPECIFICATION

IEC 60502-1
IEC 60332-3-24 (Only applied for the halogen free flame retardant cable)
IEC 61034 (Only applied for the halogen free flame retardant cable)

CORE IDENTIFICATION

Two core : Red, Yellow
Three core : Red, Yellow, Blue
Four core : Red, Yellow, Blue, Black



Single Core

Conductor			Thickness of Insulation	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃		Approx. Weight of Cable	
Nom. cross-sectional area	Construction	Nom. Diameter				Copper	Aluminum	Copper	Aluminum
(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(Ω/km)	(kg/km)	(kg/km)
1.5	7/0.53	1.59	0.7	1.4	7.0	12.1	-	50	-
2.5	7/0.67	2.01	0.7	1.4	7.0	7.41	-	65	-
4	7/0.85	2.55	0.7	1.4	8.0	4.61	-	80	-
6	7/1.04	3.12	0.7	1.4	8.0	3.08	-	110	-
10	7/1.35	4.05	0.7	1.4	9.0	1.83	-	150	-
16	compact	4.7	0.7	1.4	10.0	1.15	1.91	210	120
25	compact	5.9	0.9	1.4	11.0	0.727	1.20	310	160
35	compact	6.9	0.9	1.4	12.0	0.524	0.868	410	200
50	compact	8.1	1.0	1.4	14.0	0.387	0.641	540	250
70	compact	9.8	1.1	1.4	16.0	0.268	0.443	750	330
95	compact	11.4	1.1	1.5	18.0	0.193	0.32	1,010	430
120	compact	12.9	1.2	1.5	19.0	0.153	0.253	1,270	520
150	compact	14.4	1.4	1.6	21.0	0.124	0.206	1,560	640
185	compact	15.9	1.6	1.6	23.0	0.0991	0.164	1,940	780
240	compact	18.3	1.7	1.7	26.0	0.0754	0.125	2,540	1,000
300	compact	20.5	1.8	1.8	29.0	0.0601	0.100	3,160	1,230
400	compact	23.2	2.0	1.9	32.0	0.0470	0.0778	4,010	1,550
500	compact	26.4	2.2	2.0	36.0	0.0366	0.0605	5,110	1,950
630	compact	30.2	2.4	2.2	42.0	0.0283	0.0469	6,680	2,580
800	compact	34.0	2.6	2.3	46.0	0.0221	0.0367	8,450	3,200
1000	compact	39.3	2.8	2.4	51.0	0.0176	0.0291	10,530	3,940

Weight can be different depending on item

Two Core

Conductor			Thickness of Insulation	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃		Approx. Weight of Cable	
Nom. cross-sectional area	Construction	Nom. Diameter				Copper	Aluminum	Copper	Aluminum
(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(Ω/km)	(kg/km)	(kg/km)
1.5	7/0.53	1.59	0.7	1.8	11.0	12.1	-	130	-
2.5	7/0.67	2.01	0.7	1.8	12.0	7.41	-	170	-
4	7/0.85	2.55	0.7	1.8	13.0	4.61	-	210	-
6	7/1.04	3.12	0.7	1.8	14.0	3.08	-	280	-
10	7/1.35	4.05	0.7	1.8	16.0	1.83	-	370	-
16	compact	4.7	0.7	1.8	17.0	1.15	1.91	500	300
25	compact	5.9	0.9	1.8	21.0	0.727	1.20	730	420
35	compact	6.9	0.9	1.8	23.0	0.524	0.868	960	530
50	compact	8.1	1.0	1.8	26.0	0.387	0.641	1,250	660
70	compact	9.8	1.1	1.8	29.0	0.268	0.443	1,730	870
95	compact	11.4	1.1	2.0	33.0	0.193	0.32	2,330	1,140
120	compact	12.9	1.2	2.1	37.0	0.153	0.253	2,920	1,400
150	compact	14.4	1.4	2.2	41.0	0.124	0.206	3,580	1,710
185	compact	15.9	1.6	2.3	45.0	0.0991	0.164	4,450	2,110
240	compact	18.3	1.7	2.5	51.0	0.0754	0.125	5,850	2,740
300	compact	20.5	1.8	2.7	57.0	0.0601	0.100	7,270	3,360
400	compact	23.2	2.0	2.9	63.0	0.0470	0.0778	9,170	4,180

Weight can be different depending on item

Three Core

Conductor			Thickness of Insulation	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃		Approx. Weight of Cable	
Nom. cross-sectional area	Construction	Nom. Diameter				Copper	Aluminum	Copper	Aluminum
(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(Ω/km)	(kg/km)	(kg/km)
1.5	7/0.53	1.59	0.7	1.8	12.0	12.1	-	160	-
2.5	7/0.67	2.01	0.7	1.8	13.0	7.41	-	200	-
4	7/0.85	2.55	0.7	1.8	14.0	4.61	-	260	-
6	7/1.04	3.12	0.7	1.8	15.0	3.08	-	330	-
10	7/1.35	4.05	0.7	1.8	17.0	1.83	-	480	-
16	compact	4.7	0.7	1.8	18.0	1.15	1.91	660	360
25	compact	5.9	0.9	1.8	22.0	0.727	1.20	990	520
35	compact	6.9	0.9	1.8	24.0	0.524	0.868	1,350	620
50	compact	8.1	1.0	1.8	27.0	0.387	0.641	1,710	820
70	compact	9.8	1.1	1.9	32.0	0.268	0.443	2,400	1,120
95	compact	11.4	1.1	2.0	36.0	0.193	0.32	3,220	1,440
120	compact	12.9	1.2	2.1	39.0	0.153	0.253	4,060	1,780
150	compact	14.4	1.4	2.3	44.0	0.124	0.206	5,020	2,200
185	compact	15.9	1.6	2.4	49.0	0.0991	0.164	6,230	2,720
240	compact	18.3	1.7	2.6	55.0	0.0754	0.125	8,200	3,540
300	compact	20.5	1.8	2.8	61.0	0.0601	0.100	10,200	4,340
400	compact	23.2	2.0	3.0	68.0	0.0470	0.0778	12,890	5,410

Weight can be different depending on item

Four Core

Conductor			Thickness of Insulation	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃		Approx. Weight of Cable	
Nom. cross-sectional area	Construction	Nom. Diameter				Copper	Aluminum	Copper	Aluminum
(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(Ω/km)	(kg/km)	(kg/km)
1.5	7/0.53	1.59	0.7	1.8	12.0	12.1	-	180	-
2.5	7/0.67	2.01	0.7	1.8	13.0	7.41	-	240	-
4	7/0.85	2.55	0.7	1.8	15.0	4.61	-	320	-
6	7/1.04	3.12	0.7	1.8	16.0	3.08	-	420	-
10	7/1.35	4.05	0.7	1.8	18.0	1.83	-	610	-
16	compact	4.7	0.7	1.8	20.0	1.15	1.91	830	440
25	compact	5.9	0.9	1.8	24.0	0.727	1.20	1,260	630
35	compact	6.9	0.9	1.8	27.0	0.524	0.868	1,660	790
50	compact	8.1	1.0	1.9	30.0	0.387	0.641	2,210	1,020
70	compact	9.8	1.1	2.0	35.0	0.268	0.443	3,210	1,410
95	compact	11.4	1.1	2.1	39.0	0.193	0.32	4,210	170
120	compact	12.9	1.2	2.3	44.0	0.153	0.253	5,300	2,270
150	compact	14.4	1.4	2.4	49.0	0.124	0.206	6,530	2,780
185	compact	15.9	1.6	2.6	54.0	0.0991	0.164	8,170	3,480
240	compact	18.3	1.7	2.8	61.0	0.0754	0.125	10,710	4,490
300	compact	20.5	1.8	3.0	68.0	0.0601	0.100	13,320	5,510
400	compact	23.2	2.0	3.3	76.0	0.0470	0.0778	17,000	7,023

Weight can be different depending on item

Power Cable

0.6/1kV XLPE Insulated Armoured Cable

APPLICATIONS

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for power stations, industry, and distribution networks

SPECIFICATION

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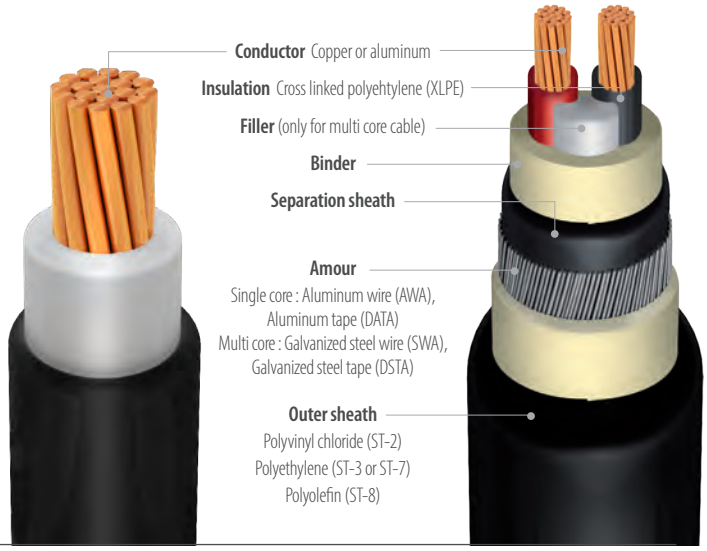


Single Core

Conductor			Thickness of Insulation	Thickness of separation sheath	Diameter or thickness of armour		Thickness of outer sheath		Approx. Overall Diameter		Max. Conductor Resistance at 20℃		Approx. Weight of Cable			
													Copper		Aluminum	
Nom. cross-sectional area	Cons truction	Nom. Diameter			AWA	DATA	AWA	DATA	AWA	DATA	Copper	Aluminum	AWA	DATA	AWA	DATA
(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(Ω/km)	(kg/km)	(kg/km)	(kg/km)	(kg/km)
1.5	7/0.53	1.59	0.7	1.0	0.9	-	1.8	-	11.0	-	12.1	-	160	-	-	-
2.5	7/0.67	2.01	0.7	1.0	0.9	-	1.8	-	11.0	-	7.41	-	170	-	-	-
4	7/0.85	2.55	0.7	1.0	0.9	-	1.8	-	12.0	-	4.61	-	190	-	-	-
6	7/1.04	3.12	0.7	1.0	0.9	-	1.8	-	12.0	-	3.08	-	240	-	-	-
10	7/1.35	4.05	0.7	1.0	0.9	-	1.8	-	13.0	-	1.83	-	280	-	-	-
16	compact	4.7	0.7	1.0	0.9	0.5	1.8	1.8	14.0	14.0	1.15	1.91	340	325	120	250
25	compact	5.9	0.9	1.0	0.9	0.5	1.8	1.8	16.0	16.0	0.727	1.20	470	450	160	310
35	compact	6.9	0.9	1.0	0.9	0.5	1.8	1.8	17.0	17.0	0.524	0.868	580	550	200	360
50	compact	8.1	1.0	1.0	0.9	0.5	1.8	1.8	18.0	18.0	0.387	0.641	720	690	250	430
70	compact	9.8	1.1	1.0	0.9	0.5	1.8	1.8	20.0	20.0	0.268	0.443	960	920	330	530
95	compact	11.4	1.1	1.0	0.9	0.5	1.8	1.8	22.0	22.0	0.193	0.32	1,230	1,190	430	640
120	compact	12.9	1.2	1.0	1.6	0.5	1.8	1.8	25.0	23.0	0.153	0.253	1,610	1,450	520	860
150	compact	14.4	1.4	1.0	1.6	0.5	1.8	1.8	27.0	25.0	0.124	0.206	1,920	1,740	640\	1,000
185	compact	15.9	1.6	1.0	1.6	0.5	1.8	1.8	29.0	27.0	0.0991	0.164	2,330	2,150	780	1,170
240	compact	18.3	1.7	1.0	1.6	0.5	1.9	1.8	32.0	30.0	0.0754	0.125	2,980	2,760	1,000	1,440
300	compact	20.5	1.8	1.0	1.6	0.5	2.0	1.9	34.0	33.0	0.0601	0.100	3,630	3,400	1,230	1,700
400	compact	23.2	2.0	1.2	2.0	0.5	2.1	2.0	39.0	36.0	0.0470	0.0778	4,670	4,300	1,550	2,200
500	compact	26.4	2.2	1.2	2.0	0.5	2.2	2.2	43.0	42.0	0.0366	0.0605	5,840	5,640	1,950	2,670
630	compact	30.2	2.4	1.4	2.5	-	2.5	-	49.0	-	0.0283	0.0469	7,360	-	2,580	3,570
800	compact	26.4	2.6	1.4	2.5	-	2.7	-	54.0	-	0.0221	0.0367	9,240	-	3,200	4,320
1000	compact	30.2	2.8	1.4	2.5	-	2.8	-	59.0	-	0.0176	0.0291	11,567	-	3,940	5,070

Weight can be different depending on item

Two Core

Conductor			Thickness of Insulation	Thickness of separation sheath	Diameter or thickness of armour		Thickness of outer sheath		Approx. Overall Diameter		Max. Conductor Resistance at 20℃		Approx. Weight of Cable			
Nom. cross-sectional area	Cons truction	Nom. Diameter											Copper		Aluminum	
					SWA	DSTA	SWA	DSTA	SWA	DSTA	Copper	Aluminum	SWA	DSTA	SWA	DSTA
(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(Ω/km)	(kg/km)	(kg/km)	(kg/km)	(kg/km)
1.5	7/0.53	1.59	0.7	1.0	0.9	0.2	1.8	1.8	15.0	14.0	12.1	-	360	230	-	-
2.5	7/0.67	2.01	0.7	1.0	0.9	0.2	1.8	1.8	15.0	15.0	7.41	-	430	320	-	-
4	7/0.85	2.55	0.7	1.0	0.9	0.2	1.8	1.8	16.0	16.0	4.61	-	500	380	-	-
6	7/1.04	3.12	0.7	1.0	0.9	0.2	1.8	1.8	17.0	17.0	3.08	-	570	440	-	-
10	7/1.35	4.05	0.7	1.0	0.9	0.2	1.8	1.8	20.0	19.0	1.83	-	710	500	-	-
16	compact	4.7	0.7	1.0	0.9	0.2	1.8	1.8	21.0	21.0	1.15	1.91	850	630	650	430
25	compact	5.9	0.9	1.0	1.6	0.2	1.8	1.8	26.0	24.0	0.727	1.20	1,470	980	1,140	670
35	compact	6.9	0.9	1.0	1.6	0.2	1.8	1.8	28.0	26.0	0.524	0.868	1,760	1,220	1,310	790
50	compact	8.1	1.0	1.0	1.6	0.2	1.8	1.8	31.0	29.0	0.387	0.641	2,140	1,540	1,540	960
70	compact	9.8	1.1	1.0	1.6	0.2	2.0	1.9	35.0	33.0	0.268	0.443	2,760	2,080	2,580	1,230
95	compact	11.4	1.1	1.2	2.0	0.2	2.1	2.0	40.0	37.0	0.193	0.32	3,780	2,730	2,580	1,550
120	compact	12.9	1.2	1.2	2.0	0.5	2.2	2.2	44.0	43.0	0.153	0.253	4,530	3,840	3,020	2,350
150	compact	14.4	1.4	1.2	2.0	0.5	2.3	2.3	47.0	47.0	0.124	0.206	5,350	4,620	3,520	2,750
185	compact	15.9	1.6	1.4	2.5	0.5	2.5	2.4	53.0	52.0	0.0991	0.164	6,950	5,640	4,600	3,310
240	compact	18.3	1.7	1.4	2.5	0.5	2.7	2.6	59.0	58.0	0.0754	0.125	8,640	7,150	5,530	4,050
300	compact	20.5	1.8	1.6	2.5	0.5	2.8	2.8	65.0	63.0	0.0601	0.100	10,450	8,730	6,530	4,830
400	compact	23.2	2.0	1.6	2.5	0.5	3.1	3.0	71.0	70.0	0.0470	0.0778	12,750	10,820	7,760	5,840

Weight can be different depending on item

Three Core

Conductor			Thickness of Insulation	Thickness of separation sheath	Diameter or thickness of armour		Thickness of outer sheath		Approx. Overall Diameter		Max. Conductor Resistance at 20℃		Approx. Weight of Cable			
Nom. cross-sectional area	Cons truction	Nom. Diameter											Copper		Aluminum	
					SWA	DSTA	SWA	DSTA	SWA	DSTA	Copper	Aluminum	SWA	DSTA	SWA	DSTA
(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(Ω/km)	(kg/km)	(kg/km)	(kg/km)	(kg/km)
1.5	7/0.53	1.59	0.7	1.0	0.9	0.2	1.8	1.8	15.0	15.0	12.1	-	390	260	-	-
2.5	7/0.67	2.01	0.7	1.0	0.9	0.2	1.8	1.8	16.0	16.0	7.41	-	470	360	-	-
4	7/0.85	2.55	0.7	1.0	0.9	0.2	1.8	1.8	17.0	17.0	4.61	-	560	430	-	-
6	7/1.04	3.12	0.7	1.0	0.9	0.2	1.8	1.8	18.0	18.0	3.08	-	660	520	-	-
10	7/1.35	4.05	0.7	1.0	0.9	0.2	1.8	1.8	20.0	20.0	1.83	-	830	610	-	-
16	compact	4.7	0.7	1.0	0.9	0.2	1.8	1.8	22.0	22.0	1.15	1.91	1,040	890	740	580
25	compact	5.9	0.9	1.0	1.6	0.2	1.8	1.8	27.0	25.0	0.727	1.20	1,740	1,240	1,270	780
35	compact	6.9	0.9	1.0	1.6	0.2	1.8	1.8	30.0	28.0	0.524	0.868	2,220	1,670	1,500	940
50	compact	8.1	1.0	1.0	1.6	0.2	1.9	1.8	33.0	31.0	0.387	0.641	2,660	2,020	1,770	1,130
70	compact	9.8	1.1	1.0	1.6	0.2	2.0	2.0	37.0	35.0	0.268	0.443	3,750	2,770	2,470	1,490
95	compact	11.4	1.1	1.2	2.0	0.2	2.2	2.1	42.0	41.0	0.193	0.32	4,800	4,150	3,010	2,360
120	compact	12.9	1.2	1.2	2.0	0.5	2.3	2.3	46.0	45.0	0.153	0.253	5,790	5,100	3,520	2,820
150	compact	14.4	1.4	1.2	2.0	0.5	2.5	2.4	52.0	50.0	0.124	0.206	7,420	6,170	4,610	3,350
185	compact	15.9	1.6	1.4	2.5	0.5	2.6	2.5	56.0	55.0	0.0991	0.164	8,920	7,510	5,400	3,980
240	compact	18.3	1.7	1.4	2.5	0.5	2.8	2.7	63.0	61.0	0.0754	0.125	11,180	9,590	6,520	4,940
300	compact	20.5	1.8	1.6	2.5	0.5	3.0	2.9	69.0	67.0	0.0601	0.100	13,540	11,790	7,680	5,920
400	compact	23.2	2.0	1.6	2.5	0.5	3.2	3.2	76.0	75.0	0.0470	0.0778	16,700	14,730	9,220	7,250

Weight can be different depending on item

Four Core

Conductor			Thickness of Insulation	Thickness of separation sheath	Diameter or thickness of armour		Thickness of outer sheath		Approx. Overall Diameter		Max. Conductor Resistance at 20℃		Approx. Weight of Cable			
Nom. cross-sectional area	Cons truction	Nom. Diameter											Copper		Aluminum	
					SWA	DSTA	SWA	DSTA	SWA	DSTA	Copper	Aluminum	SWA	DSTA	SWA	DSTA
(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(Ω/km)	(kg/km)	(kg/km)	(kg/km)	(kg/km)
1.5	7/0.53	1.59	0.7	1.0	0.9	0.2	1.8	1.8	16.0	16.0	12.1	-	440	290	-	-
2.5	7/0.67	2.01	0.7	1.0	0.9	0.2	1.8	1.8	17.0	17.0	7.41	-	530	410	-	-
4	7/0.85	2.55	0.7	1.0	0.9	0.2	1.8	1.8	18.0	18.0	4.61	-	630	510	-	-
6	7/1.04	3.12	0.7	1.0	0.9	0.2	1.8	1.8	19.0	19.0	3.08	-	760	610	-	-
10	7/1.35	4.05	0.7	1.0	0.9	0.2	1.8	1.8	22.0	22.0	1.83	-	990	750	-	-
16	compact	4.7	0.7	1.0	0.9	0.2	1.8	1.8	24.0	23.0	1.15	1.91	1,250	1,080	840	680
25	compact	5.9	0.9	1.0	1.6	0.2	1.8	1.8	29.0	27.0	0.727	1.20	2,090	1,540	1,460	910
35	compact	6.9	0.9	1.0	1.6	0.2	1.9	1.8	32.0	30.0	0.524	0.868	2,600	1,970	1,730	1,110
50	compact	8.1	1.0	1.0	1.6	0.2	2.0	1.9	35.0	33.0	0.387	0.641	3,260	2,560	2,070	1,380
70	compact	9.8	1.1	1.2	2.0	0.2	2.1	2.1	41.0	39.0	0.268	0.443	4,650	3,570	2,930	1,850
95	compact	11.4	1.1	1.2	2.0	0.5	2.3	2.3	46.0	45.0	0.193	0.32	5,940	5,250	3,560	2,860
120	compact	12.9	1.2	1.4	2.5	0.5	2.5	2.4	52.0	50.0	0.153	0.253	7,760	6,480	4,740	3,450
150	compact	14.4	1.4	1.4	2.5	0.5	2.6	2.6	56.0	55.0	0.124	0.206	9,230	7,830	5,480	4,080
185	compact	15.9	1.6	1.4	2.5	0.5	2.8	2.7	62.0	60.0	0.0991	0.164	1,120	9,560	6,440	4,870
240	compact	18.3	1.7	1.6	2.5	0.5	3.0	2.9	69.0	68.0	0.0754	0.125	14,140	12,350	7,930	6,140
300	compact	20.5	1.8	1.6	2.5	0.5	3.2	3.1	76.0	74.0	0.0601	0.100	17,060	15,100	9,230	7,270
400	compact	23.2	2.0	1.8	3.1	0.5	3.5	3.4	85.0	83.0	0.0470	0.0778	22,350	19,000	12,370	9,020

Weight can be different depending on item

Power Cable

6/10kV XLPE Insulated Unarmoured Cable

APPLICATIONS

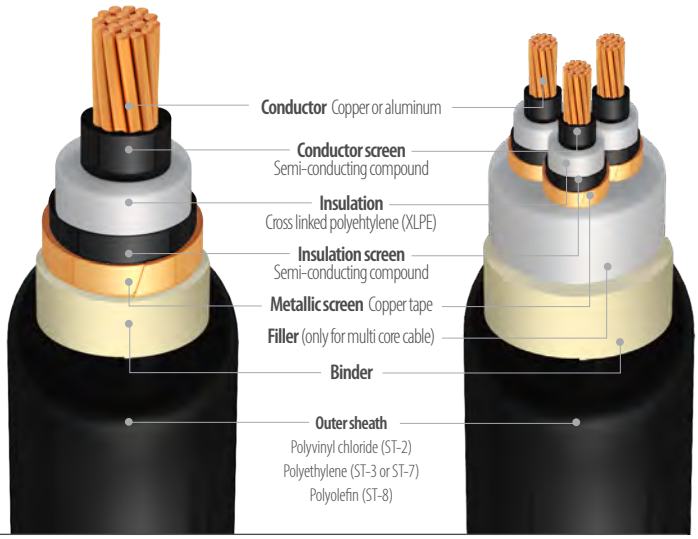
For installation in ground, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks

SPECIFICATION

IEC 60502-2
IEC 60332-3-24 (Only applied for the halogen free flame retardant cable)
IEC 61034 (Only applied for the halogen free flame retardant cable)

CORE IDENTIFICATION

Three core : Red, Yellow, Blue or 1ONE. 2TWO. 3THREE



Single Core

Conductor			Thickness of Insulation	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃		Approx. Weight of Cable	
Nom. cross-sectional area	Construction	Nom. Diameter				Copper	Aluminum	Copper	Aluminum
(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(Ω/km)	(kg/km)	(kg/km)
16	compact	4.7	3.4	1.5	20.0	1.15	1.91	460	360
25	compact	5.9	3.4	1.5	21.0	0.727	1.20	570	420
35	compact	6.9	3.4	1.6	22.0	0.524	0.868	700	480
50	compact	8.1	3.4	1.6	23.0	0.387	0.641	840	550
70	compact	9.8	3.4	1.7	25.0	0.268	0.443	1,090	660
95	compact	11.4	3.4	1.7	27.0	0.193	0.32	1,370	780
120	compact	12.9	3.4	1.8	28.0	0.153	0.253	1,650	900
150	compact	14.4	3.4	1.8	30.0	0.124	0.206	1,940	1,020
185	compact	15.9	3.4	1.9	32.0	0.0991	0.164	2,340	1,180
240	compact	18.3	3.4	2.0	35.0	0.0754	0.125	2,990	1,450
300	compact	20.5	3.4	2.0	37.0	0.0601	0.100	3,620	2,530
400	compact	23.2	3.4	2.2	40.0	0.0470	0.0778	4,490	2,020
500	compact	26.4	3.4	2.2	43.0	0.0366	0.0605	5,610	2,440
630	compact	30.2	3.4	2.3	48.0	0.0283	0.0469	7,170	3,070
800	compact	34.3	3.4	2.5	51.0	0.0221	0.0367	8,980	3,720
1000	compact	39.3	3.4	2.6	53.0	0.0176	0.0291	11,060	4,480

Weight can be different depending on item

Three Core

Conductor			Thickness of Insulation	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃		Approx. Weight of Cable	
Nom. cross-sectional area	Construction	Nom. Diameter				Copper	Aluminum	Copper	Aluminum
(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(Ω/km)	(kg/km)	(kg/km)
16	compact	4.7	3.4	2.1	39.0	1.15	1.91	1,520	1,230
25	compact	5.9	3.4	2.2	41.0	0.727	1.20	1,920	1,450
35	compact	6.9	3.4	2.3	43.0	0.524	0.868	2,310	1,660
50	compact	8.1	3.4	2.4	46.0	0.387	0.641	2,880	1,900
70	compact	9.8	3.4	2.5	50.0	0.268	0.443	3,580	2,290
95	compact	11.4	3.4	2.6	53.0	0.193	0.32	4,510	2,730
120	compact	12.9	3.4	2.7	57.0	0.153	0.253	5,430	3,190
150	compact	14.4	3.4	2.8	60.0	0.124	0.206	6,370	3,560
185	compact	15.9	3.4	2.9	64.0	0.0991	0.164	7,640	4,130
240	compact	18.3	3.4	3.1	69.0	0.0754	0.125	9,840	5,180
300	compact	20.5	3.4	3.3	74.0	0.0601	0.100	11,830	5,970
400	compact	23.2	3.4	3.5	81.0	0.0470	0.0778	11,830	7,170

Weight can be different depending on item

Power Cable

6/10kV XLPE Insulated Armoured Cable

APPLICATIONS

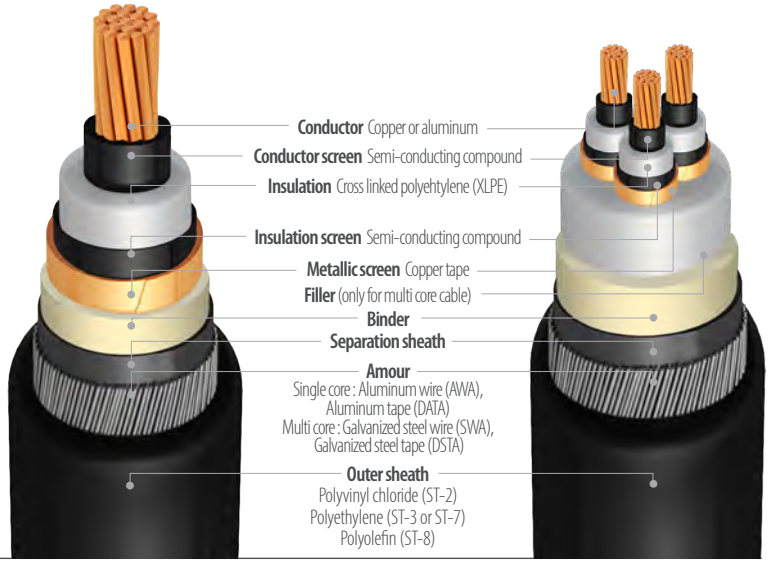
For installation in ground, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks

SPECIFICATION

IEC 60502-2
IEC 60332-3-24 (Only applied for the halogen free flame retardant cable)
IEC 61034 (Only applied for the halogen free flame retardant cable)

CORE IDENTIFICATION

Three core : Red, Yellow, Blue or 1ONE. 2TWO. 3THREE



Single Core

Conductor			Thickness of Insulation	Thickness of separation sheath	Diameter or thickness of armour		Thickness of outer sheath		Approx. Overall Diameter		Max. Conductor Resistance at 20℃		Approx. Weight of Cable			
													Copper		Aluminum	
Nom. cross-sectional area	Cons truction	Nom. Diameter			AWA	DATA	AWA	DATA	AWA	DATA	Copper	Aluminum	AWA	DATA	AWA	DATA
(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(Ω/km)	(kg/km)	(kg/km)	(kg/km)	(kg/km)
16	compact	4.7	3.4	1.2	1.6	0.5	1.8	1.8	24.0	22.0	1.15	1.91	800	630	710	530
25	compact	5.9	3.4	1.2	1.6	0.5	1.8	1.8	26.0	23.0	0.727	1.20	940	760	790	600
35	compact	6.9	3.4	1.2	1.6	0.5	1.8	1.8	27.0	24.0	0.524	0.868	1,070	880	860	680
50	compact	8.1	3.4	1.2	1.6	0.5	1.8	1.8	28.0	25.0	0.387	0.641	1,230	1,040	940	740
70	compact	9.8	3.4	1.2	1.6	0.5	1.9	1.8	30.0	27.0	0.268	0.443	1,500	1,280	1,080	850
95	compact	11.4	3.4	1.2	1.6	0.5	1.9	1.8	31.0	29.0	0.193	0.32	1,810	1,570	1,230	980
120	compact	12.9	3.4	1.2	1.6	0.5	2.0	1.9	33.0	31.0	0.153	0.253	2,130	1,870	1,380	1,120
150	compact	14.4	3.4	1.2	2.0	0.5	2.0	1.9	35.0	32.0	0.124	0.206	2,520	2,170	1,600	1,240
185	compact	15.9	3.4	1.2	2.0	0.5	2.1	2.0	37.0	34.0	0.0991	0.164	2,960	2,580	1,800	1,420
240	compact	18.3	3.4	1.2	2.0	0.5	2.2	2.1	40.0	37.0	0.0754	0.125	3,660	3,260	2,120	1,720
300	compact	20.5	3.4	1.2	2.0	0.5	2.3	2.2	43.0	40.0	0.0601	0.100	4,350	4,070	2,410	2,150
400	compact	23.2	3.4	1.2	2.0	0.5	2.4	2.3	46.0	43.0	0.0470	0.0778	4,280	4,970	2,810	2,510
500	compact	26.4	3.4	1.3	2.5	0.5	2.5	2.4	50.0	47.0	0.0366	0.0605	6,650	6,160	3,480	2,990
630	compact	30.2	3.4	1.4	2.5	-	2.6	-	55.0	-	0.0283	0.0469	7,950	-	4,160	-
800	compact	34.3	3.4	1.4	2.5	-	2.7	-	59.0	-	0.0221	0.0367	9,800	-	4,880	-
1000	compact	39.3	3.4	1.6	2.5	-	2.9	-	65.0	-	0.0176	0.0291	12,230	-	5,730	-

Weight can be different depending on item

Three Core

Conductor			Thickness of Insulation	Thickness of separation sheath	Diameter or thickness of armour		Thickness of outer sheath		Approx. Overall Diameter		Max. Conductor Resistance at 20℃		Approx. Weight of Cable			
													Copper		Aluminum	
Nom. cross-sectional area	Cons truction	Nom. Diameter			SWA	DSTA	SWA	DSTA	SWA	DSTA	Copper	Aluminum	SWA	DSTA	SWA	DSTA
(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(Ω/km)	(kg/km)	(kg/km)	(kg/km)	(kg/km)
16	compact	4.7	3.4	1.2	2.0	0.5	2.3	2.3	43.0	41.0	1.15	1.91	3,150	2,440	2,860	2,140
25	compact	5.9	3.4	1.3	2.5	0.5	2.5	2.3	47.0	44.0	0.727	1.20	4,140	2,900	3,670	2,430
35	compact	6.9	3.4	1.3	2.5	0.5	2.5	2.4	49.0	46.0	0.524	0.868	4,640	3,350	3,990	2,690
50	compact	8.1	3.4	1.4	2.5	0.5	2.6	2.5	52.0	49.0	0.387	0.641	5,280	3,930	4,390	3,040
70	compact	9.8	3.4	1.4	2.5	0.5	2.8	2.7	56.0	53.0	0.268	0.443	6,290	4,820	5,010	3,540
95	compact	11.4	3.4	1.5	2.5	0.5	2.9	2.8	60.0	57.0	0.193	0.32	7,480	5,090	5,700	4,090
120	compact	12.9	3.4	1.6	2.5	0.5	3.0	2.9	64.0	61.0	0.153	0.253	8,610	6,910	6,330	4,630
150	compact	14.4	3.4	1.6	2.5	0.5	3.1	3.0	67.0	64.0	0.124	0.206	9,730	7,940	6,920	5,110
185	compact	15.9	3.4	1.7	2.5	0.5	3.2	3.1	71.0	68.0	0.0991	0.164	12,230	9,350	7,720	5,830
240	compact	18.3	3.4	1.8	3.2	0.5	3.4	3.3	79.0	75.0	0.0754	0.125	14,770	11,670	10,110	6,990
300	compact	20.5	3.4	1.9	3.2	0.5	3.6	3.5	84.0	80.0	0.0601	0.100	17,170	13,890	11,310	8,030
400	compact	23.2	3.4	2.0	3.2	0.8	3.8	3.7	92.0	88.0	0.0470	0.0778	20,640	17,890	13,160	10,400

Weight can be different depending on item

Power Cable

8.7/15kV XLPE Insulated Unarmoured Cable

APPLICATIONS

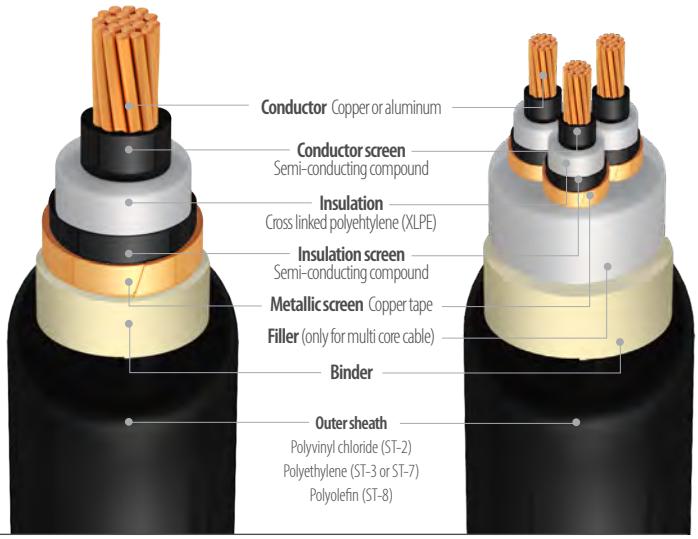
For installation in ground, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks

SPECIFICATION

IEC 60502-2
IEC 60332-3-24 (Only applied for the halogen free flame retardant cable)
IEC 61034 (Only applied for the halogen free flame retardant cable)

CORE IDENTIFICATION

Three core : Red, Yellow, Blue or 1ONE. 2TWO. 3THREE



Single Core

Conductor			Thickness of Insulation	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃		Approx. Weight of Cable	
Nom. cross-sectional area	Construction	Nom. Diameter				Copper	Aluminum	Copper	Aluminum
(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(Ω/km)	(kg/km)	(kg/km)
25	compact	5.9	4.5	1.6	22.0	0.727	1.20	700	520
35	compact	6.9	4.5	1.7	24.0	0.524	0.868	800	590
50	compact	8.1	4.5	1.7	25.0	0.387	0.641	950	660
70	compact	9.8	4.5	1.7	26.0	0.268	0.443	1,190	770
95	compact	11.4	4.5	1.8	28.0	0.193	0.32	1,490	900
120	compact	12.9	4.5	1.9	30.0	0.153	0.253	1,790	1,030
150	compact	14.4	4.5	1.9	32.0	0.124	0.206	2,080	1,150
185	compact	15.9	4.5	2.0	33.0	0.0991	0.164	2,490	1,330
240	compact	18.3	4.5	2.0	36.0	0.0754	0.125	3,130	1,590
300	compact	20.5	4.5	2.1	39.0	0.0601	0.100	3,790	1,850
400	compact	23.2	4.5	2.2	43.0	0.0470	0.0778	4,670	2,200
500	compact	26.4	4.5	2.3	45.0	0.0366	0.0605	5,800	2,630
630	compact	30.2	4.5	2.4	50.0	0.0283	0.0469	7,390	3,290
800	compact	34.3	4.5	2.5	54.0	0.0221	0.0367	9,180	3,930
1000	compact	39.3	4.5	2.7	58.0	0.0176	0.0291	11,310	4,720

Weight can be different depending on item

Three Core

Conductor			Thickness of Insulation	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃		Approx. Weight of Cable	
Nom. cross-sectional area	Construction	Nom. Diameter				Copper	Aluminum	Copper	Aluminum
(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(Ω/km)	(kg/km)	(kg/km)
25	compact	5.9	4.5	2.4	45.0	0.727	1.20	2,280	1,810
35	compact	6.9	4.5	2.4	47.0	0.524	0.868	2,680	2,030
50	compact	8.1	4.5	2.5	50.0	0.387	0.641	3,190	2,290
70	compact	9.8	4.5	2.7	54.0	0.268	0.443	4,030	2,740
95	compact	11.4	4.5	2.8	58.0	0.193	0.32	5,000	3,210
120	compact	12.9	4.5	2.9	61.0	0.153	0.253	5,930	3,660
150	compact	14.4	4.5	3.0	64.0	0.124	0.206	6,920	4,110
185	compact	15.9	4.5	3.1	68.0	0.0991	0.164	8,190	4,680
240	compact	18.3	4.5	3.3	75.0	0.0754	0.125	10,390	5,720
300	compact	20.5	4.5	3.4	80.0	0.0601	0.100	12,470	6,610
400	compact	23.2	4.5	3.6	86.0	0.0470	0.0778	15,330	7,850

Weight can be different depending on item

Power Cable

8.7/15kV XLPE Insulated Armoured Cable

APPLICATIONS

For installation in ground, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks

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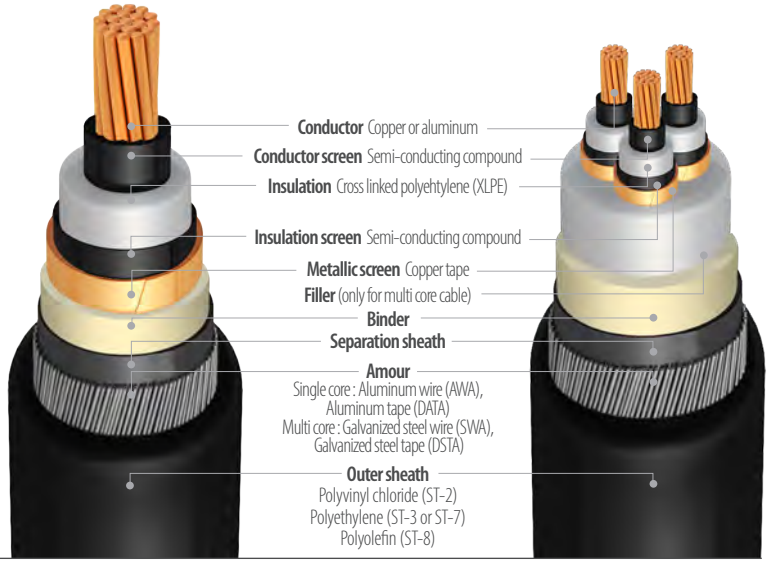


Single Core

Conductor			Thickness of Insulation	Thickness of separation sheath	Diameter or thickness of armour		Thickness of outer sheath		Approx. Overall Diameter		Max. Conductor Resistance at 20℃		Approx. Weight of Cable			
													Copper		Aluminum	
Nom. cross-sectional area	Cons truction	Nom. Diameter			AWA	DATA	AWA	DATA	AWA	DATA	Copper	Aluminum	AWA	DATA	AWA	DATA
(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(Ω/km)	(kg/km)	(kg/km)	(kg/km)	(kg/km)
25	compact	5.9	4.5	1.2	1.6	0.5	1.8	1.8	28.0	26.0	0.727	1.20	1,070	870	910	710
35	compact	6.9	4.5	1.2	1.6	0.5	1.9	1.8	29.0	27.0	0.524	0.868	1,210	990	1,000	780
50	compact	8.1	4.5	1.2	1.6	0.5	1.9	1.8	30.0	28.0	0.387	0.641	1,380	1,150	1,090	860
70	compact	9.8	4.5	1.2	1.6	0.5	1.9	1.9	32.0	30.0	0.268	0.443	1,640	1,410	1,220	990
95	compact	11.4	4.5	1.2	2.0	0.5	2.0	1.9	35.0	31.0	0.193	0.32	2,070	1,730	1,480	1,140
120	compact	12.9	4.5	1.2	2.0	0.5	2.1	2.0	37.0	33.0	0.153	0.253	2,390	2,030	1,640	1,280
150	compact	14.4	4.5	1.2	2.0	0.5	2.1	2.0	38.0	35.0	0.124	0.206	2,710	2,330	1,780	1,410
185	compact	15.9	4.5	1.2	2.0	0.5	2.2	2.1	40.0	36.0	0.0991	0.164	3,150	2,740	1,990	1,580
240	compact	18.3	4.5	1.2	2.0	0.5	2.3	2.2	43.0	41.0	0.0754	0.125	3,870	3,590	2,330	2,060
300	compact	20.5	4.5	1.2	2.0	0.5	2.3	2.3	45.0	43.0	0.0601	0.100	4,550	4,270	2,610	2,330
400	compact	23.2	4.5	1.3	2.5	0.5	2.5	2.4	49.0	46.0	0.0470	0.0778	5,690	5,210	3,220	2,740
500	compact	26.4	4.5	1.3	2.5	0.5	2.6	2.5	53.0	50.0	0.0366	0.0605	6,960	6,390	3,800	3,210
630	compact	30.2	4.5	1.4	2.5	-	2.6	-	58.0	-	0.0283	0.0469	9,550	-	5,760	-
800	compact	34.3	4.5	1.4	2.5	-	2.8	-	62.0	-	0.0221	0.0367	11,550	-	6,630	-
1000	compact	39.3	4.5	1.6	2.5	-	3.0	-	67.0	-	0.0176	0.0291	14,190	-	7,700	-

Weight can be different depending on item

Three Core

Conductor			Thickness of Insulation	Thickness of separation sheath	Diameter or thickness of armour		Thickness of outer sheath		Approx. Overall Diameter		Max. Conductor Resistance at 20℃		Approx. Weight of Cable			
													Copper		Aluminum	
Nom. cross-sectional area	Cons truction	Nom. Diameter			SWA	DSTA	SWA	DSTA	SWA	DSTA	Copper	Aluminum	SWA	DSTA	SWA	DSTA
(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(Ω/km)	(kg/km)	(kg/km)	(kg/km)	(kg/km)
25	compact	5.9	4.5	1.4	2.5	0.5	2.6	2.5	53.0	49.0	0.727	1.20	4,770	3,420	4,310	2,950
35	compact	6.9	4.5	1.4	2.5	0.5	2.7	2.6	55.0	52.0	0.524	0.868	5,330	3,900	4,680	3,340
50	compact	8.1	4.5	1.5	2.5	0.5	2.8	2.7	58.0	55.0	0.387	0.641	6,020	4,500	5,120	3,610
70	compact	9.8	4.5	1.5	2.5	0.5	2.9	2.8	62.0	59.0	0.268	0.443	7,060	5,420	5,780	4,130
95	compact	11.4	4.5	1.6	2.5	0.5	3.1	3.0	66.0	63.0	0.193	0.32	8,270	6,530	6,490	4,740
120	compact	12.9	4.5	1.7	2.5	0.5	3.2	3.1	70.0	66.0	0.153	0.253	9,430	7,580	7,150	5,310
150	compact	14.4	4.5	1.7	3.2	0.5	3.3	3.2	74.0	70.0	0.124	0.206	11,470	8,650	8,670	5,840
185	compact	15.9	4.5	1.8	3.2	0.5	3.4	3.3	78.0	74.0	0.0991	0.164	13,070	10,070	9,560	6,550
240	compact	18.3	4.5	1.9	3.2	0.5	3.6	3.5	85.0	80.0	0.0754	0.125	15,800	12,460	11,140	7,800
300	compact	20.5	4.5	2.0	3.2	0.8	3.8	3.7	90.0	87.0	0.0601	0.100	18,270	15,720	12,410	9,870
400	compact	23.2	4.5	2.1	3.2	0.8	4.0	3.9	98.0	93.0	0.0470	0.0778	21,800	18,870	14,320	11,380

Weight can be different depending on item

Power Cable

12/20kV XLPE Insulated Unarmoured Cable

APPLICATIONS

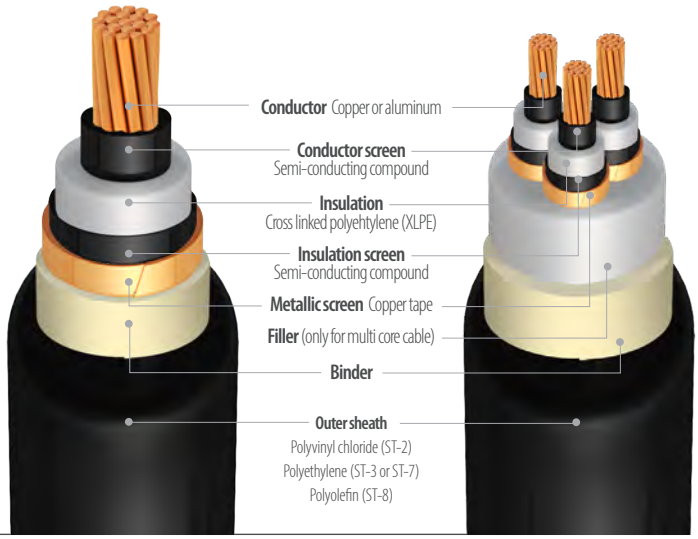
For installation in ground, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks

SPECIFICATION

IEC 60502-2
IEC 60332-3-24 (Only applied for the halogen free flame retardant cable)
IEC 61034 (Only applied for the halogen free flame retardant cable)

CORE IDENTIFICATION

Three core : Red, Yellow, Blue or 1ONE. 2TWO. 3THREE



Single Core

Conductor			Thickness of Insulation	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃		Approx. Weight of Cable	
Nom. cross-sectional area	Construction	Nom. Diameter				Copper	Aluminum	Copper	Aluminum
(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(Ω/km)	(kg/km)	(kg/km)
35	compact	6.9	5.5	1.7	26.0	0.524	0.868	1,370	1,150
50	compact	8.1	5.5	1.8	28.0	0.387	0.641	1,550	1,260
70	compact	9.8	5.5	1.8	29.0	0.268	0.443	1,920	1,490
95	compact	11.4	5.5	1.9	31.0	0.193	0.32	2,270	1,680
120	compact	12.9	5.5	1.9	33.0	0.153	0.253	2,580	1,820
150	compact	14.4	5.5	2.0	34.0	0.124	0.206	2,920	1,990
185	compact	15.9	5.5	2.0	36.0	0.0991	0.164	3,340	2,180
240	compact	18.3	5.5	2.1	39.0	0.0754	0.125	4,090	2,550
300	compact	20.5	5.5	2.2	42.0	0.0601	0.100	4,970	3,040
400	compact	23.2	5.5	2.3	44.0	0.0470	0.0778	5,930	3,460
500	compact	26.4	5.5	2.4	48.0	0.0366	0.0605	7,250	4,080
630	compact	30.2	5.5	2.5	53.0	0.0283	0.0469	9,970	6,180
800	compact	34.3	5.5	2.6	57.0	0.0221	0.0367	12,080	7,160
1000	compact	39.3	5.5	2.7	61.0	0.0176	0.0291	14,400	7,910

Weight can be different depending on item

Three Core

Conductor			Thickness of Insulation	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃		Approx. Weight of Cable	
Nom. cross-sectional area	Construction	Nom. Diameter				Copper	Aluminum	Copper	Aluminum
(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(Ω/km)	(kg/km)	(kg/km)
35	compact	6.9	5.5	2.6	53.0	0.524	0.868	3,170	2,520
50	compact	8.1	5.5	2.7	56.0	0.387	0.641	3,690	2,800
70	compact	9.8	5.5	2.8	60.0	0.268	0.443	4,530	3,240
95	compact	11.4	5.5	2.9	64.0	0.193	0.32	5,520	3,730
120	compact	12.9	5.5	3.0	67.0	0.153	0.253	6,480	4,200
150	compact	14.4	5.5	3.1	70.0	0.124	0.206	7,510	4,700
185	compact	15.9	5.5	3.2	74.0	0.0991	0.164	8,810	5,300
240	compact	18.3	5.5	3.4	81.0	0.0754	0.125	11,050	6,390
300	compact	20.5	5.5	3.6	86.0	0.0601	0.100	13,210	7,350
400	compact	23.2	5.5	3.8	92.0	0.0470	0.0778	16,140	8,660

Weight can be different depending on item

Power Cable

12/20kV XLPE Insulated Armoured Cable

APPLICATIONS

For installation in ground, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks

SPECIFICATION

IEC 60502-2
IEC 60332-3-24 (Only applied for the halogen free flame retardant cable)
IEC 61034 (Only applied for the halogen free flame retardant cable)

CORE IDENTIFICATION

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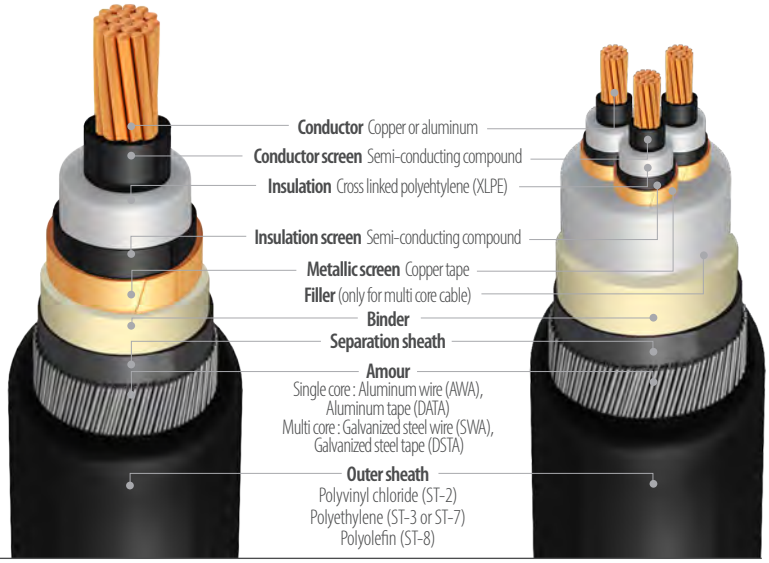


Single Core

Conductor			Thickness of Insulation	Thickness of separation sheath	Diameter or thickness of armour		Thickness of outer sheath		Approx. Overall Diameter		Max. Conductor Resistance at 20℃		Approx. Weight of Cable			
													Copper		Aluminum	
Nom. cross-sectional area	Cons truction	Nom. Diameter			AWA	DATA	AWA	DATA	AWA	DATA	Copper	Aluminum	AWA	DATA	AWA	DATA
(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(Ω/km)	(kg/km)	(kg/km)	(kg/km)	(kg/km)
35	compact	6.9	5.5	1.2	1.6	0.5	1.9	1.8	32.0	29.0	0.524	0.868	1,370	1,120	1,150	910
50	compact	8.1	5.5	1.2	1.6	0.5	2.0	1.9	33.0	31.0	0.387	0.641	1,550	1,300	1,260	1,000
70	compact	9.8	5.5	1.2	2.0	0.5	2.0	1.9	36.0	32.0	0.268	0.443	1,920	1,560	1,490	1,130
95	compact	11.4	5.5	1.2	2.0	0.5	2.1	2.0	38.0	34.0	0.193	0.32	2,270	1,890	1,680	1,290
120	compact	12.9	5.5	1.2	2.0	0.5	2.1	2.0	39.0	36.0	0.153	0.253	2,580	2,190	1,820	1,430
150	compact	14.4	5.5	1.2	2.0	0.5	2.2	2.1	41.0	39.0	0.124	0.206	2,920	2,670	1,990	1,740
185	compact	15.9	5.5	1.2	2.0	0.5	2.2	2.2	42.0	40.0	0.0991	0.164	3,340	3,090	2,180	1,940
240	compact	18.3	5.5	1.2	2.0	0.5	2.3	2.3	45.0	43.0	0.0754	0.125	4,090	3,800	2,550	2,270
300	compact	20.5	5.5	1.3	2.5	0.5	2.4	2.3	49.0	46.0	0.0601	0.100	4,970	4,490	3,040	2,560
400	compact	23.2	5.5	1.3	2.5	0.5	2.5	2.4	52.0	49.0	0.0470	0.0778	5,930	5,430	3,460	2,960
500	compact	26.4	5.5	1.4	2.5	0.5	2.6	2.5	56.0	52.0	0.0366	0.0605	7,250	6,640	4,080	3,650
630	compact	30.2	5.5	1.4	2.5	-	2.7	-	60.0	-	0.0283	0.0469	9,970	-	6,180	-
800	compact	34.3	5.5	1.6	2.5	-	2.9	-	65.0	-	0.0221	0.0367	12,080	-	7,160	-
1000	compact	39.3	5.5	1.6	2.5	-	3.0	-	69.0	-	0.0176	0.0291	14,400	-	7,910	-

Weight can be different depending on item

Three Core

Conductor			Thickness of Insulation	Thickness of separation sheath	Diameter or thickness of armour		Thickness of outer sheath		Approx. Overall Diameter		Max. Conductor Resistance at 20℃		Approx. Weight of Cable			
													Copper		Aluminum	
Nom. cross-sectional area	Cons truction	Nom. Diameter			SWA	DSTA	SWA	DSTA	SWA	DSTA	Copper	Aluminum	SWA	DSTA	SWA	DSTA
(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(Ω/km)	(kg/km)	(kg/km)	(kg/km)	(kg/km)
35	compact	6.9	5.5	1.5	2.5	0.5	2.9	2.8	61.0	58.0	0.524	0.868	6,190	4,570	5,530	3,920
50	compact	8.1	5.5	1.6	2.5	0.5	3.0	2.9	64.0	61.0	0.387	0.641	6,870	5,180	5,980	4,290
70	compact	9.8	5.5	1.6	2.5	0.5	3.1	3.0	68.0	65.0	0.268	0.443	7,940	6,110	6,650	4,830
95	compact	11.4	5.5	1.7	2.5	0.5	3.2	3.1	72.0	69.0	0.193	0.32	9,150	7,230	7,370	5,450
120	compact	12.9	5.5	1.8	3.2	0.5	3.4	3.2	77.0	72.0	0.153	0.253	11,310	8,310	9,040	6,040
150	compact	14.4	5.5	1.8	3.2	0.5	3.5	3.3	80.0	76.0	0.124	0.206	12,630	9,440	9,820	6,630
185	compact	15.9	5.5	1.9	3.2	0.5	3.6	3.4	84.0	80.0	0.0991	0.164	14,190	10,880	10,680	7,360
240	compact	18.3	5.5	2.0	3.2	0.8	3.8	3.7	92.0	88.0	0.0754	0.125	17,000	14,380	12,340	9,710
300	compact	20.5	5.5	2.1	3.2	0.8	3.9	3.8	97.0	93.0	0.0601	0.100	19,630	16,700	13,770	10,840
400	compact	23.2	5.5	2.2	3.2	0.8	4.2	4.1	104.0	100.0	0.0470	0.0778	23,280	20,010	15,810	12,530

Weight can be different depending on item

Power Cable

18/30kV XLPE Insulated Unarmoured Cable

APPLICATIONS

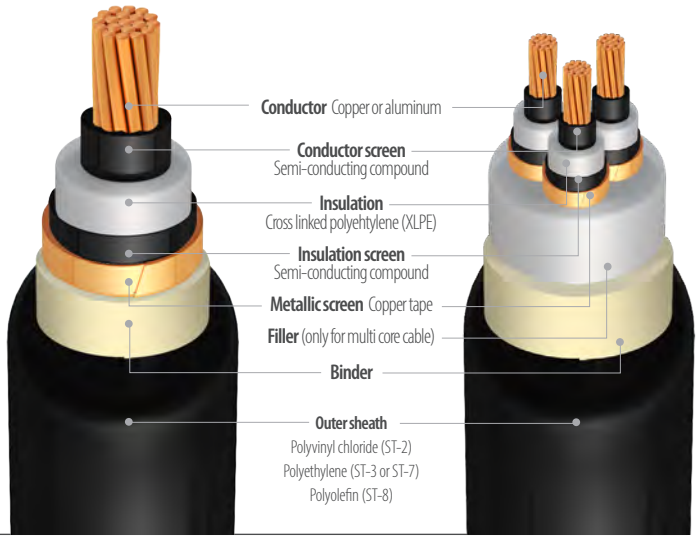
For installation in ground, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks

SPECIFICATION

IEC 60502-2
IEC 60332-3-24 (Only applied for the halogen free flame retardant cable)
IEC 61034 (Only applied for the halogen free flame retardant cable)

CORE IDENTIFICATION

Three core : Red, Yellow, Blue or 1ONE. 2TWO. 3THREE



Single Core

Conductor			Thickness of Insulation	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃		Approx. Weight of Cable	
Nom. cross-sectional area	Construction	Nom. Diameter				Copper	Aluminum	Copper	Aluminum
(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(Ω/km)	(kg/km)	(kg/km)
50	compact	8.1	8.0	1.9	34.0	0.387	0.641	1,440	1,140
70	compact	9.8	8.0	2.0	36.0	0.268	0.443	1,720	1,300
95	compact	11.4	8.0	2.1	38.0	0.193	0.32	2,040	1,450
120	compact	12.9	8.0	2.1	40.0	0.153	0.253	2,360	1,530
150	compact	14.4	8.0	2.1	41.0	0.124	0.206	2,670	1,750
185	compact	15.9	8.0	2.2	43.0	0.0991	0.164	3,110	1,950
240	compact	18.3	8.0	2.3	46.0	0.0754	0.125	3,820	2,280
300	compact	20.5	8.0	2.4	48.0	0.0601	0.100	4,510	2,580
400	compact	23.2	8.0	2.5	51.0	0.0470	0.0778	5,440	2,970
500	compact	26.4	8.0	2.5	55.0	0.0366	0.0605	6,600	3,430
630	compact	30.2	8.0	2.7	60.0	0.0283	0.0469	8,300	4,200
800	compact	34.3	8.0	2.8	64.0	0.0221	0.0367	10,150	4,890
1000	compact	39.3	8.0	2.9	68.0	0.0176	0.0291	12,310	5,720

Weight can be different depending on item

Three Core

Conductor			Thickness of Insulation	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃		Approx. Weight of Cable	
Nom. cross-sectional area	Construction	Nom. Diameter				Copper	Aluminum	Copper	Aluminum
(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(Ω/km)	(kg/km)	(kg/km)
50	compact	8.1	8.0	3.1	72.0	0.387	0.641	5,210	4,310
70	compact	9.8	8.0	3.2	76.0	0.268	0.443	6,110	4,830
95	compact	11.4	8.0	3.3	79.0	0.193	0.32	7,110	5,330
120	compact	12.9	8.0	3.4	83.0	0.153	0.253	8,250	5,970
150	compact	14.4	8.0	3.5	86.0	0.124	0.206	9,340	6,530
185	compact	15.9	8.0	3.6	90.0	0.0991	0.164	10,740	7,230
240	compact	18.3	8.0	3.8	97.0	0.0754	0.125	13,120	8,460
300	compact	20.5	8.0	3.9	102.0	0.0601	0.100	15,350	9,490
400	compact	23.2	8.0	4.2	108.0	0.0470	0.0778	18,440	10,970

Weight can be different depending on item

Power Cable

18/30kV XLPE Insulated Armoured Cable

APPLICATIONS

For installation in ground, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks

SPECIFICATION

IEC 60502-2
IEC 60332-3-24 (Only applied for the halogen free flame retardant cable)
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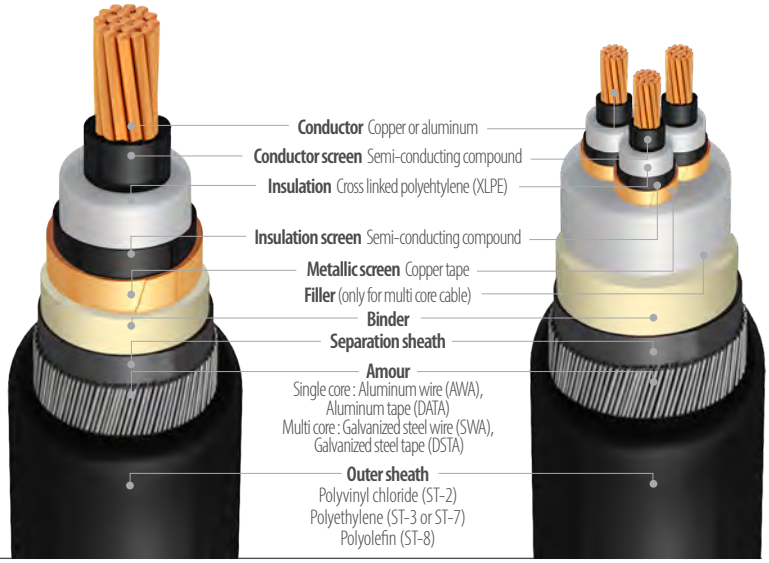


Single Core

Conductor			Thickness of Insulation	Thickness of separation sheath	Diameter or thickness of armour		Thickness of outer sheath		Approx. Overall Diameter		Max. Conductor Resistance at 20℃		Approx. Weight of Cable			
													Copper		Aluminum	
Nom. cross-sectional area	Cons truction	Nom. Diameter			AWA	DATA	AWA	DATA	AWA	DATA	Copper	Aluminum	AWA	DATA	AWA	DATA
(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(Ω/km)	(kg/km)	(kg/km)	(kg/km)	(kg/km)
50	compact	8.1	8.0	1.2	2.0	0.5	2.2	2.1	41.0	37.0	0.387	0.641	2,140	1,720	1,840	1,380
70	compact	9.8	8.0	1.2	2.0	0.5	2.2	2.1	43.0	40.0	0.268	0.443	2,440	2,160	2,010	1,740
95	compact	11.4	8.0	1.2	2.0	0.5	2.3	2.2	44.0	42.0	0.193	0.32	2,800	2,520	2,220	1,930
120	compact	12.9	8.0	1.2	2.0	0.5	2.3	2.3	46.0	44.0	0.153	0.253	3,130	2,850	2,470	2,100
150	compact	14.4	8.0	1.3	2.5	0.5	2.4	2.3	49.0	46.0	0.124	0.206	3,670	3,200	2,750	2,280
185	compact	15.9	8.0	1.3	2.5	0.5	2.5	2.4	51.0	47.0	0.0991	0.164	4,150	3,670	2,990	2,510
240	compact	18.3	8.0	1.3	2.5	0.5	2.5	2.4	54.0	50.0	0.0754	0.125	4,910	4,380	3,370	2,840
300	compact	20.5	8.0	1.4	2.5	0.5	2.6	2.5	56.0	53.0	0.0601	0.100	5,680	5,130	3,750	3,190
400	compact	23.2	8.0	1.4	2.5	0.5	2.7	2.6	59.0	56.0	0.0470	0.0778	6,670	6,090	4,210	3,620
500	compact	26.4	8.0	1.5	2.5	0.5	2.8	2.7	64.0	59.0	0.0366	0.0605	8,050	7,350	4,880	4,180
630	compact	30.2	8.0	1.6	2.5	-	2.9	-	66.0	-	0.0283	0.0469	9,150	-	5,360	-
800	compact	34.3	8.0	1.6	2.5	-	3.0	-	70.0	-	0.0221	0.0367	11,100	-	6,190	-
1000	compact	39.3	8.0	1.6	2.5	-	3.2	-	75.0	-	0.0176	0.0291	13,650	-	7,160	-

Weight can be different depending on item

Three Core

Conductor			Thickness of Insulation	Thickness of separation sheath	Diameter or thickness of armour		Thickness of outer sheath		Approx. Overall Diameter		Max. Conductor Resistance at 20℃		Approx. Weight of Cable			
													Copper		Aluminum	
Nom. cross-sectional area	Cons truction	Nom. Diameter			SWA	DSTA	SWA	DSTA	SWA	DSTA	Copper	Aluminum	SWA	DSTA	SWA	DSTA
(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(Ω/km)	(kg/km)	(kg/km)	(kg/km)	(kg/km)
50	compact	8.1	8.0	1.8	3.2	0.5	3.4	3.3	78.0	77.0	0.387	0.641	10,360	7,160	9,470	6,270
70	compact	9.8	8.0	1.8	3.2	0.5	3.5	3.4	85.0	81.0	0.268	0.443	11,500	8,180	10,210	6,880
95	compact	11.4	8.0	1.9	3.2	0.5	3.7	3.5	90.0	85.0	0.193	0.32	12,960	9,390	11,170	7,600
120	compact	12.9	8.0	2.0	3.2	0.8	3.8	3.7	93.0	90.0	0.153	0.253	14,270	11,630	12,000	9,060
150	compact	14.4	8.0	2.0	3.2	0.8	3.9	3.8	97.0	93.0	0.124	0.206	15,590	12,840	12,780	10,030
185	compact	15.9	8.0	2.1	3.2	0.8	4.0	3.9	101.0	97.0	0.0991	0.164	17,330	14,430	13,820	10,930
240	compact	18.3	8.0	2.2	3.2	0.8	4.2	4.1	107.0	104.0	0.0754	0.125	20,200	17,120	15,540	12,450
300	compact	20.5	8.0	2.3	3.2	0.8	4.3	4.2	112.0	109.0	0.0601	0.100	22,860	19,580	17,000	13,730
400	compact	23.2	8.0	2.4	3.2	0.8	4.6	4.5	121.0	116.0	0.0470	0.0778	26,940	23,210	19,470	15,720

Weight can be different depending on item

Continuous Current Rating

The continuous current rating is calculated in accordance with IEC 60287

Laying Condition

The current rating is calculated based on the foloowing laying conditions;

1) Ground temperature : 25℃
2) Ambient temperature : 40℃
3) Soil thermal resistivity : 1.0 K.m/W
4) Depth : 1.0m
5) Maximum conductor temperature : 90℃
6) Frequency : 50Hz
7) Load factor: 100%
8) Spacing between cables laid in flat formation: twice the cable's overall dia.

0.6/1kV XLPE Insulated Cable

Nominal Cross-sectional Area	Copper								Aluminum							
	Single core				Three core				Single core				Three core			
	In air		In direct buried		Unarmoured		Armoured		In air		In direct buried		Unarmoured		Armoured	
	Flat	Trefoil	Flat	Trefoil	In air	In direct buried	In air	In direct buried	Flat	Trefoil	Flat	Trefoil	In air	In direct buried	In air	In direct buried
(mm^2)	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
1.5	25	20	35	30	20	30	20	30	-	-	-	-	-	-	-	-
2.5	30	25	45	40	25	40	25	40	-	-	-	-	-	-	-	-
4	45	35	60	55	35	50	35	50	35	30	50	45	30	40	30	40
6	55	45	70	65	45	65	40	60	45	35	55	50	35	55	35	50
10	75	60	95	90	60	85	55	105	60	50	75	70	50	70	45	65
16	100	85	125	120	80	110	75	105	80	70	100	95	65	90	60	85
25	140	115	160	150	110	145	105	140	115	95	130	120	90	120	85	115
35	175	140	190	180	135	170	125	165	140	115	150	145	110	140	100	135
50	210	170	225	215	165	205	155	195	170	135	180	175	135	165	125	155
70	270	220	280	265	210	250	200	240	215	175	225	215	170	200	160	195
95	340	275	335	315	265	300	245	285	275	220	270	250	215	240	200	230
120	400	320	380	360	310	340	285	325	320	255	305	290	250	275	230	260
150	460	375	425	400	355	385	330	365	370	300	340	320	285	310	265	295
185	540	435	485	455	415	435	380	410	435	350	390	365	335	350	305	330
240	650	525	565	530	495	500	450	475	520	420	455	425	400	400	360	380
300	755	610	640	595	570	565	520	535	605	490	515	475	460	455	415	430
400	900	720	730	675	665	640	600	600	720	475	585	540	535	515	480	480
500	1040	830	825	750	-	-	-	-	835	665	660	600	-	-	-	-
630	1215	960	940	840	-	-	-	-	975	770	755	675	-	-	-	-
800	1410	1095	1060	930	-	-	-	-	1130	875	850	745	-	-	-	-
1000	1610	1230	1180	1015	-	-	-	-	1290	985	945	815	-	-	-	-

6/10kV XLPE Insulated Cable

Nominal Cross-sectional Area	Copper								Aluminum							
	Single core				Three core				Single core				Three core			
	In air		In direct buried		Unarmoured		Armoured		In air		In direct buried		Unarmoured		Armoured	
	Flat	Trefoil	Flat	Trefoil	In air	In direct buried	In air	In direct buried	Flat	Trefoil	Flat	Trefoil	In air	In direct buried	In air	In direct buried
(mm^2)	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
16	120	100	120	115	105	115	100	115	100	80	100	95	85	95	80	95
25	160	135	155	150	140	150	135	150	130	110	125	120	115	120	110	120
35	195	160	185	175	165	180	165	180	160	130	150	140	135	145	135	140
50	235	195	215	210	200	210	195	210	190	160	175	170	160	170	160	165
70	295	245	265	255	250	255	260	255	240	200	215	205	220	205	210	200
95	360	300	320	305	305	305	315	350	290	240	260	245	245	245	255	240
120	420	350	360	345	355	345	365	345	340	280	290	280	285	280	295	275
150	480	400	405	385	405	385	410	385	385	320	325	310	325	310	330	300
185	555	460	460	435	465	435	465	435	445	370	370	350	375	350	375	340
240	660	550	530	500	550	405	545	505	530	440	425	400	440	405	440	385
300	765	635	600	565	635	565	615	565	615	510	480	455	510	455	495	430
400	900	740	690	640	740	640	700	640	720	595	555	515	595	515	560	480
500	1045	850	775	715	-	-	-	-	840	680	620	575	-	-	-	-
630	1220	980	880	800	-	-	-	-	980	785	705	640	-	-	-	-
800	1410	1115	990	885	-	-	-	-	1130	895	795	710	-	-	-	-
1000	1600	1245	1100	960	-	-	-	-	1280	1000	880	770	-	-	-	-

8.7/15kV XLPE Insulated Cable

Nominal Cross-sectional Area	Copper								Aluminum							
	Single core				Three core				Single core				Three core			
	In air		In direct buried		Unarmoured		Armoured		In air		In direct buried		Unarmoured		Armoured	
	Flat	Trefoil	Flat	Trefoil	In air	In direct buried	In air	In direct buried	Flat	Trefoil	Flat	Trefoil	In air	In direct buried	In air	In direct buried
(mm^2)	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
25	165	140	155	150	145	150	150	150	135	115	125	120	120	120	120	120
35	200	170	185	175	175	180	180	175	160	140	150	140	140	145	145	140
50	240	205	220	210	210	210	215	210	195	165	180	170	170	170	175	170
70	300	255	265	255	260	255	265	255	240	205	215	205	210	205	215	205
95	370	310	320	305	320	305	320	300	300	250	260	245	260	245	260	240
120	425	360	360	345	365	345	365	340	340	290	290	280	295	280	295	275
150	485	410	405	385	415	390	415	375	390	330	325	310	335	315	335	300
185	560	475	460	435	480	435	470	420	450	380	370	350	385	350	380	340
240	670	560	535	505	565	505	550	480	540	450	430	405	455	405	440	385
300	770	645	605	565	650	570	620	535	620	520	485	455	520	460	500	430
400	905	755	690	645	755	645	705	590	725	605	555	520	605	520	565	475
500	1045	865	775	770	-	-	-	-	840	695	620	620	-	-	-	-
630	1215	995	885	805	-	-	-	-	975	800	645	645	-	-	-	-
800	1405	1135	995	895	-	-	-	-	1125	910	720	720	-	-	-	-
1000	1595	1265	1105	975	-	-	-	-	1280	1015	780	780	-	-	-	-

12/20kV XLPE Insulated Cable

Nominal Cross-sectional Area	Copper								Aluminum							
	Single core				Three core				Single core				Three core			
	In air		In direct buried		Unarmoured		Armoured		In air		In direct buried		Unarmoured		Armoured	
	Flat	Trefoil	Flat	Trefoil	In air	In direct buried	In air	In direct buried	Flat	Trefoil	Flat	Trefoil	In air	In direct buried	In air	In direct buried
(mm^2)	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
35	200	175	185	175	180	180	185	175	160	175	150	140	145	145	150	140
50	250	210	220	210	215	210	220	210	195	210	180	170	175	170	180	170
70	305	260	265	255	265	255	270	255	245	260	215	205	215	205	220	205
95	370	315	320	305	325	305	325	300	300	315	260	245	260	245	260	240
120	430	365	360	345	370	345	370	340	345	365	290	280	300	280	300	275
150	490	415	405	385	420	390	420	375	395	415	325	310	340	315	340	300
185	560	480	460	435	485	440	475	420	450	480	370	350	390	355	390	340
240	670	570	535	505	570	505	555	480	540	570	430	405	460	405	460	385
300	770	655	605	565	655	570	625	535	620	655	485	455	525	460	525	430
400	905	760	690	645	760	645	705	590	725	760	555	520	610	520	610	475
500	1045	875	780	720	-	-	-	-	840	875	625	580	-	-	-	-
630	1215	1005	885	810	-	-	-	-	975	100	710	650	-	-	-	-
800	1400	1145	995	900	-	-	-	-	1120	1145	800	720	-	-	-	-
1000	1590	1280	1105	960	-	-	-	-	1275	1280	885	785	-	-	-	-

18/30kV XLPE Insulated Cable

Nominal Cross-sectional Area	Copper								Aluminum							
	Single core				Three core				Single core				Three core			
	In air		In direct buried		Unarmoured		Armoured		In air		In direct buried		Unarmoured		Armoured	
	Flat	Trefoil	Flat	Trefoil	In air	In direct buried	In air	In direct buried	Flat	Trefoil	Flat	Trefoil	In air	In direct buried	In air	In direct buried
(mm^2)	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
50	245	215	220	210	220	210	225	210	200	175	180	170	180	170	180	170
70	310	270	265	255	275	260	275	255	250	220	215	205	220	210	220	205
95	375	325	320	305	330	305	330	300	300	260	260	245	265	245	265	240
120	430	375	360	345	380	350	375	340	345	300	290	280	305	280	300	275
150	490	425	405	385	435	390	425	375	395	340	325	310	350	315	340	300
185	565	490	460	435	495	440	480	420	455	395	370	350	400	355	385	3740
240	670	580	535	505	580	510	555	480	540	465	430	405	465	410	445	385
300	770	665	600	570	665	570	625	530	620	535	480	460	535	460	500	425
400	900	770	690	645	770	650	710	590	720	620	555	520	620	520	570	475
500	1040	985	780	725	-	-	-	-	835	710	625	580	-	-	-	-
630	1205	1020	885	815	-	-	-	-	965	820	710	655	-	-	-	-
800	1390	1160	1000	905	-	-	-	-	1115	930	800	725	-	-	-	-
1000	1575	1295	1105	990	-	-	-	-	1260	1040	885	885	-	-	-	-

Correction factors for various laying conditions

If the laying conditions of the site differ from those which appear preceding pages, the actual ratings are obtained by multiplying the values from the below correction factors.

Correction factor for ground temperature in direct buried

Ground temperature (℃)	25	30	35	40	45	50	55
Correction factor	1.00	0.96	0.91	0.87	0.83	0.79	0.75

Correction factor for depth in direct buried

Depth of laying (m)	0.5	0.8	1.0	1.2	1.5	2.0	2.5
Correction factor	1.09	1.05	1.03	1.01	1.00	0.97	0.92

Correction factor for soil thermal resistivity in direct buried

Thermal resistivity of soil (K.m/W)	0.8	1.0	1.2	1.5	2.0	2.5	3.0
Correction factor	-	1.00	0.93	0.84	0.74	0.67	0.61

Correction factors for groups of laid direct in the ground

Number of cables in group	Copper									
	Three core cables in horizontal formation					Three-phase circuits of single-core cables				
	Touching	200	400	600	800	Touching	200	400	600	800
2	0.80	0.86	0.90	0.92	0.94	0.73	0.83	0.88	0.90	0.92
3	0.69	0.77	0.82	0.86	0.89	0.60	0.73	0.79	0.83	0.86
4	0.62	0.72	0.79	0.83	0.87	0.54	0.68	0.75	0.80	0.84
5	0.57	0.68	0.76	0.81	0.85	0.49	0.63	0.72	0.78	0.82
6	0.54	0.65	0.74	0.80	0.84	0.46	0.61	0.70	0.76	0.81
7	0.51	0.63	0.72	0.78	0.83	0.43	0.58	0.68	0.75	0.80
8	0.49	0.61	0.71	0.78	-	0.41	0.57	0.67	0.74	-
9	0.47	0.60	0.70	0.77	-	0.39	0.55	0.66	0.73	-
10	0.46	0.59	0.69	-	-	0.37	0.54	0.65	-	-
11	0.45	0.57	0.69	-	-	0.36	0.53	0.64	-	-
12	0.43	0.56	0.68	-	-	0.35	0.52	0.64	-	-

Correction factor for Ambient temperature in air

Ambient temperature (℃)	25	30	35	40	45	50	55
Correction factor	1.14	1.10	1.05	1.00	0.95	0.90	0.84

Power Cable

15kV Underground Cable

APPLICATIONS

This Cable is used for 15kV power and distribution circuits in industrial and commercial installation. It may be installed on conduit, duct, tray or directly buried. Safe from ingress of humidity.

SPECIFICATION

ASTM B3	ASTM B8
ASTM B230	ASTM B231
ASTM B609	ANSI/ICEA S-94-649
AEIC CS-8	UL 1072

Ethylene propylene rubber(EPR)

Copper Conductor

Conductor			Thickness of conductor shield (Min.)	Thickness of Insulation		Thickness of insulation shield		Neutral concentric conductor		Thickness of Jacket		Approx. Overall Diameter	Max. Conductor Resistance at 25℃	Approx. Weight of Cable
Nominal Cross-sectional Area	Construction	Nom. Diameter		Min.	Max.	Min.	Max.			Min.	Max.			
(AWG/kcmil)	(No./mm)	(inch)	(mils)	(mils)	(mils)	(mils)	(mils)	(No.)	(AWG)	(mils)	(mils)	(inch)	(Ω/1000ft)	(lbs/1000ft)
1/0	compact	0.336	12	165	205	30	60	9	14	45	80	1.14	0.102	827
2/0	compact	0.376	12	165	205	30	60	11	14	45	80	1.20	0.081	968
3/0	compact	0,423	12	165	205	30	60	14	14	45	80	1.24	0.0642	1,136
4/0	compact	0.475	12	165	205	30	60	18	14	45	80	1.30	0.051	1,351
250	compact	0.520	16	165	205	30	60	21	14	45	80	1.34	0.0431	1,539
350	compact	0.616	16	165	205	40	75	18	12	45	80	1.46	0.0308	2,016
500	compact	0.738	16	165	205	40	75	17	10	45	80	1.63	0.0215	3,084
750	compact	0.908	20	165	205	40	75	20	9	45	80	1.83	0.0144	3,958
1000	compact	1.06	20	165	205	40	75	21	8	70	120	2.07	0.0108	5,194
1250	compact	1.20	24	210	250	55	90	26	8	70	120	2.34	0.0083	6,525

Weight can be different depending on item

Aluminum Conductor

Conductor			Thickness of conductor shield (Min.)	Thickness of Insulation		Thickness of insulation shield		Neutral concentric conductor		Thickness of Jacket		Approx. Overall Diameter	Max. Conductor Resistance at 25℃	Approx. Weight of Cable
Nominal Cross-sectional Area	Construction	Nom. Diameter		Min.	Max.	Min.	Max.			Min.	Max.			
(AWG/kcmil)	(No./mm)	(inch)	(mils)	(mils)	(mils)	(mils)	(mils)	(No.)	(AWG)	(mils)	(mils)	(inch)	(Ω/1000ft)	(lbs/1000ft)
1/0	compress	0.362	12	165	205	30	60	9	16	45	80	1.16	0.168	571
2/0	compress	0.406	12	165	205	30	60	11	16	45	80	1.22	0.133	645
3/0	compress	0.456	12	165	205	30	60	14	16	45	80	1.28	0.105	726
4/0	compress	0.512	12	165	205	30	60	11	14	45	80	1.34	0.0836	827
250	compress	0.558	16	165	205	30	60	13	14	45	80	1.38	0.0707	907
350	compress	0.661	16	165	205	40	75	18	14	45	80	1.48	0.0505	1,122
500	compress	0.813	16	165	205	40	75	16	12	45	80	1.63	0.0354	1,458
750	compress	0.998	20	165	205	40	75	24	12	45	80	1.83	0.0236	1,942
1000	compress	1.152	20	165	205	40	75	20	10	70	120	2.07	0.0177	2,574
1250	compress	1.289	24	210	250	55	90	20	9	70	120	2.38	0.0141	3,299
1500	compress	1.412	24	210	250	55	90	24	9	70	120	2.50	0.0118	3,729

Weight can be different depending on item

Power Cable

25kV Underground Cable

APPLICATIONS

This Cable is used for 25kV power and distribution circuits in industrial and commercial installation. It may be installed on conduit, duct, tray or directly buried. Safe from ingress of humidity.

SPECIFICATION

ASTM B3	ASTM B8
ASTM B230	ASTM B231
ASTM B609	ANSI/ICEA S-94-649
AEIC CS-8	UL 1072

Copper Conductor

Conductor			Thickness of conductor shield (Min.)	Thickness of Insulation		Thickness of insulation shield		Neutral concentric conductor		Thickness of Jacket		Approx. Overall Diameter	Max. Conductor Resistance at 25℃	Approx. Weight of Cable
Nominal Cross-sectional Area	Construction	Nom. Diameter		Min.	Max.	Min.	Max.			Min.	Max.			
(AWG/kcmil)	(No./mm)	(inch)	(mils)	(mils)	(mils)	(mils)	(mils)	(No.)	(AWG)	(mils)	(mils)	(inch)	(Ω/1000ft)	(lbs/1000ft)
1/0	compact	0.336	12	245	290	30	60	9	14	45	80	1.30	0.102	947
2/0	compact	0.376	12	245	290	30	60	11	14	45	80	1.34	0.081	1,082
3/0	compact	0,423	12	245	290	30	60	14	14	45	80	1.38	0.0642	1,250
4/0	compact	0.475	12	245	290	40	75	18	14	45	80	1.46	0.051	1,492
250	compact	0.520	16	245	290	40	75	21	14	45	80	1.50	0.0431	1,680
350	compact	0.616	16	245	290	40	75	18	12	45	80	1.63	0.0308	2,177
500	compact	0.738	16	245	290	40	75	17	10	70	120	1.83	0.0215	3,313
750	compact	0.908	20	245	290	40	75	20	9	70	120	2.05	0.0144	4,213
1000	compact	1.06	20	245	290	55	90	21	8	70	120	2.26	0.0108	5,463
1250	compact	1.20	24	245	290	55	90	26	8	70	120	2.40	0.0083	6,619

Weight can be different depending on item

Aluminum Conductor

Conductor			Thickness of conductor shield (Min.)	Thickness of Insulation		Thickness of insulation shield		Neutral concentric conductor		Thickness of Jacket		Approx. Overall Diameter	Max. Conductor Resistance at 25℃	Approx. Weight of Cable
Nominal Cross-sectional Area	Construction	Nom. Diameter		Min.	Max.	Min.	Max.			Min.	Max.			
(AWG/kcmil)	(No./mm)	(inch)	(mils)	(mils)	(mils)	(mils)	(mils)	(No.)	(AWG)	(mils)	(mils)	(inch)	(Ω/1000ft)	(lbs/1000ft)
1/0	compress	0.362	12	245	290	30	60	9	16	45	80	1.34	0.168	692
2/0	compress	0.406	12	245	290	30	60	11	16	45	80	1.38	0.133	773
3/0	compress	0.456	12	245	290	30	60	14	16	45	80	1.44	0.105	860
4/0	compress	0.512	12	245	290	40	75	11	14	45	80	1.50	0.0836	968
250	compress	0.558	16	245	290	40	75	13	14	45	80	1.54	0.0707	1,055
350	compress	0.661	16	245	290	40	75	18	14	45	80	1.63	0.0505	1,277
500	compress	0.813	16	245	290	40	75	16	12	70	120	1.85	0.0354	1,687
750	compress	0.998	20	245	290	40	75	24	12	70	120	2.03	0.0236	2,197
1000	compress	1.152	20	245	290	55	90	20	10	70	120	2.26	0.0177	2,842
1250	compress	1.289	24	245	290	55	90	20	9	70	120	2.44	0.0141	3,387
1500	compress	1.412	24	245	290	55	90	24	9	70	120	2.56	0.0118	3,824

Weight can be different depending on item

Power Cable

35kV Underground Cable

APPLICATIONS

This Cable is used for 15kV power and distribution circuits in industrial and commercial installation. It may be installed on conduit, duct, tray or directly buried. Safe from ingress of humidity.

SPECIFICATION

ASTM B3	ASTM B8
ASTM B230	ASTM B231
ASTM B609	ANSI/ICEA S-94-649
AEIC CS-8	UL 1072

Copper Conductor

Conductor			Thickness of conductor shield (Min.)	Thickness of Insulation		Thickness of insulation shield		Neutral concentric conductor		Thickness of Jacket		Approx. Overall Diameter	Max. Conductor Resistance at 25℃	Approx. Weight of Cable
Nominal Cross-sectional Area	Construction	Nom. Diameter		Min.	Max.	Min.	Max.			Min.	Max.			
(AWG/kcmil)	(No./mm)	(inch)	(mils)	(mils)	(mils)	(mils)	(mils)	(No.)	(AWG)	(mils)	(mils)	(inch)	(Ω/1000ft)	(lbs/1000ft)
1/0	compact	0.336	12	330	375	40	75	9	14	45	80	1.48	0.102	1,109
2/0	compact	0.376	12	330	375	40	75	11	14	45	80	1.52	0.081	1,250
3/0	compact	0,423	12	330	375	40	75	14	14	45	80	1.57	0.0642	1,431
4/0	compact	0.475	12	330	375	40	75	18	14	45	80	1.63	0.051	1,653
250	compact	0.520	16	330	375	40	75	21	14	45	80	1.67	0.0431	1,848
350	compact	0.616	16	330	375	40	75	18	12	70	120	1.85	0.0308	2,412
500	compact	0.738	16	330	375	40	75	17	10	70	120	2.01	0.0215	3,514
750	compact	0.908	20	330	375	55	90	20	9	70	120	2.24	0.0144	4,489
1000	compact	1.06	20	330	375	55	90	21	8	70	120	2.42	0.0108	5,712
1250	compact	1.20	24	330	375	55	90	26	8	70	120	2.58	0.0083	6,888

Weight can be different depending on item

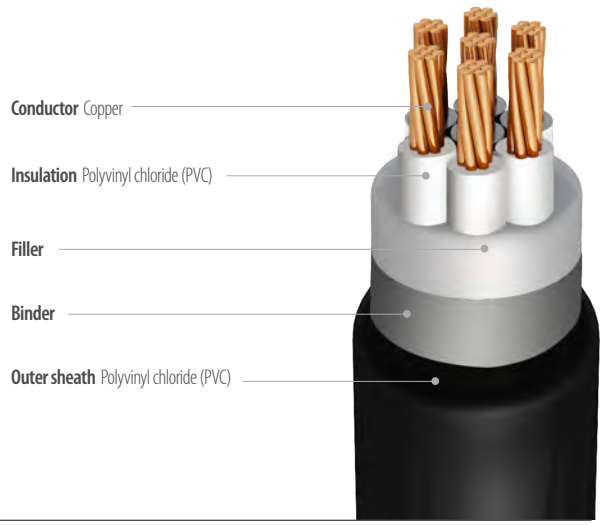
Aluminum Conductor

Conductor			Thickness of conductor shield (Min.)	Thickness of Insulation		Thickness of insulation shield		Neutral concentric conductor		Thickness of Jacket		Approx. Overall Diameter	Max. Conductor Resistance at 25℃	Approx. Weight of Cable
Nominal Cross-sectional Area	Construction	Nom. Diameter		Min.	Max.	Min.	Max.			Min.	Max.			
(AWG/kcmil)	(No./mm)	(inch)	(mils)	(mils)	(mils)	(mils)	(mils)	(No.)	(AWG)	(mils)	(mils)	(inch)	(Ω/1000ft)	(lbs/1000ft)
1/0	compress	0.362	12	330	375	40	75	9	16	45	80	1.52	0.168	860
2/0	compress	0.406	12	330	375	40	75	11	16	45	80	1.56	0.133	927
3/0	compress	0.456	12	330	375	40	75	14	16	45	80	1.61	0.105	1,028
4/0	compress	0.512	12	330	375	40	75	11	14	45	80	1.65	0.0836	1,136
250	compress	0.558	16	330	375	40	75	13	14	45	80	1.71	0.0707	1,230
350	compress	0.661	16	330	375	40	75	18	14	70	120	1.85	0.0505	1,519
500	compress	0.813	16	330	375	40	75	16	12	70	120	2.01	0.0354	1,895
750	compress	0.998	20	330	375	55	90	24	12	70	120	2.24	0.0236	2,480
1000	compress	1.152	20	330	375	55	90	20	10	70	120	2.44	0.0177	3,091
1250	compress	1.289	24	330	375	55	90	20	9	70	120	2.60	0.0141	3,662
1500	compress	1.412	24	330	375	55	90	24	9	70	120	2.72	0.0118	4,106

Weight can be different depending on item

Control Cable

0.6/1kV PVC Insulated Unarmoured Control Cable (0.6/1kV Cu/PVC/PVC)



APPLICATIONS

For installation in ground, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks.

SPECIFICATION

IEC 60502-1

Number of core	Conductor			Thickness of Insulation	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃	Approx. Weight of Cable
	Nom. cross-sectional area	Construction	Nom. Diameter					
(No.)	(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)
2	1.5	7/0.53	1.59	0.8	1.8	11.0	12.1	130
	2.5	7/0.67	2.01	0.8	1.8	12.0	7.41	160
	4	7/0.85	2.55	0.8	1.8	14.0	4.61	230
	6	7/1.04	3.12	0.8	1.8	15.0	3.08	280
3	1.5	7/0.53	1.59	0.8	1.8	11.5	12.1	160
	2.5	7/0.67	2.01	0.8	1.8	12.5	7.41	200
	4	7/0.85	2.55	0.8	1.8	14.5	4.61	280
	6	7/1.04	3.12	0.8	1.8	16.0	3.08	360
4	1.5	7/0.53	1.59	0.8	1.8	12.5	12.1	190
	2.5	7/0.67	2.01	0.8	1.8	13.5	7.41	240
	4	7/0.85	2.55	0.8	1.8	16.0	4.61	350
	6	7/1.04	3.12	0.8	1.8	17.0	3.08	450
5	1.5	7/0.53	1.59	0.8	1.8	13.5	12.1	220
	2.5	7/0.67	2.01	0.8	1.8	14.5	7.41	290
	4	7/0.85	2.55	0.8	1.8	17.0	4.61	420
	6	7/1.04	3.12	0.8	1.8	18.5	3.08	540
6	1.5	7/0.53	1.59	0.8	1.8	14.5	12.1	260
	2.5	7/0.67	2.01	0.8	1.8	15.5	7.41	330
	4	7/0.85	2.55	0.8	1.8	18.5	4.61	490
	6	7/1.04	3.12	0.8	1.8	21.0	3.08	640

Number of core	Conductor			Thickness of Insulation	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃	Approx. Weight of Cable
	Nom. cross-sectional area	Construction	Nom. Diameter					
(No.)	(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)
7	1.5	7/0.53	1.59	0.8	1.8	14.5	12.1	280
	2.5	7/0.67	2.01	0.8	1.8	15.5	7.41	360
	4	7/0.85	2.55	0.8	1.8	18.5	4.61	540
	6	7/1.04	3.12	0.8	1.8	21.0	3.08	700
8	1.5	7/0.53	1.59	0.8	1.8	15.5	12.1	310
	2.5	7/0.67	2.01	0.8	1.8	16.5	7.41	410
	4	7/0.85	2.55	0.8	1.8	20.0	4.61	610
	6	7/1.04	3.12	0.8	1.8	22.0	3.08	800
10	1.5	7/0.53	1.59	0.8	1.8	18.0	12.1	390
	2.5	7/0.67	2.01	0.8	1.8	19.5	7.41	520
	4	7/0.85	2.55	0.8	1.8	23.0	4.61	770
	6	7/1.04	3.12	0.8	1.8	26.0	3.08	1,020
12	1.5	7/0.53	1.59	0.8	1.8	18.5	12.1	440
	2.5	7/0.67	2.01	0.8	1.8	20.0	7.41	590
	4	7/0.85	2.55	0.8	1.8	24.0	4.61	890
	6	7/1.04	3.12	0.8	1.8	27.0	3.08	1,170
15	1.5	7/0.53	1.59	0.8	1.8	19.5	12.1	530
	2.5	7/0.67	2.01	0.8	1.8	22.0	7.41	710
	4	7/0.85	2.55	0.8	1.8	26.0	4.61	1,070
	6	7/1.04	3.12	0.8	1.8	29.0	3.08	1,420
20	1.5	7/0.53	1.59	0.8	1.8	22.0	12.1	680
	2.5	7/0.67	2.01	0.8	1.8	24.0	7.41	910
	4	7/0.85	2.55	0.8	1.8	29.0	4.61	1,410
	6	7/1.04	3.12	0.8	1.8	32.0	3.08	1,900
30	1.5	7/0.53	1.59	0.8	1.8	26.0	12.1	960
	2.5	7/0.67	2.01	0.8	1.8	28.0	7.41	1,310
	4	7/0.85	2.55	0.8	1.8	35	4.61	2,060

Weight can be different depending on item

Control Cable

0.6/1kV PVC Insulated Amoured Control Cable (0.6/1kV Cu/PVC/SWA/PVC)

APPLICATIONS

For installation in ground, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks.

SPECIFICATION

IEC 60502-1

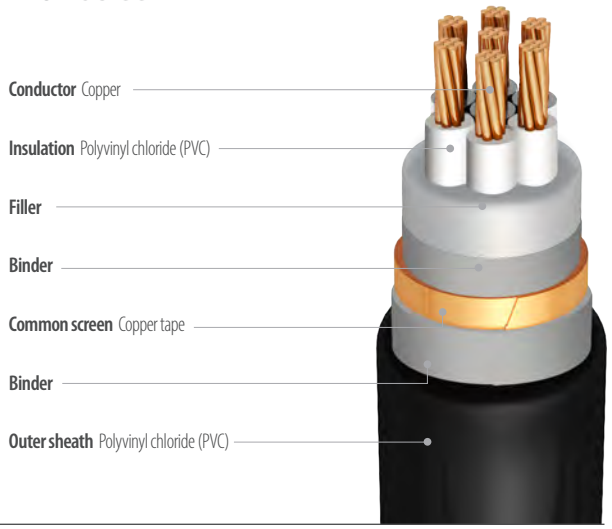
Number of core	Coductor			Thickness of Insulation	Thickness of Inner covering	Diameter of armour	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃	Approx. Weight of Cable
	Nom. cross-sectional area	Construction	Nom. Diameter							
(No.)	(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)
2	1.5	7/0.53	1.59	0.8	1.0	0.9	1.8	14.5	12.1	360
	2.5	7/0.67	2.01	0.8	1.0	0.9	1.8	15.5	7.41	410
	4	7/0.85	2.55	0.8	1.0	0.9	1.8	17.5	4.61	520
	6	7/1.04	3.12	0.8	1.0	1.25	1.8	19.0	3.08	700
3	1.5	7/0.53	1.59	0.8	1.0	0.9	1.8	15.0	12.1	400
	2.5	7/0.67	2.01	0.8	1.0	0.9	1.8	16.0	7.41	460
	4	7/0.85	2.55	0.8	1.0	1.25	1.8	19.0	4.61	690
	6	7/1.04	3.12	0.8	1.0	1.25	1.8	20.0	3.08	800
4	1.5	7/0.53	1.59	0.8	1.0	0.9	1.8	16.0	12.1	450
	2.5	7/0.67	2.01	0.8	1.0	0.9	1.8	17.0	7.41	520
	4	7/0.85	2.55	0.8	1.0	1.25	1.8	20.0	4.61	790
	6	7/1.04	3.12	0.8	1.0	1.25	1.8	22.0	3.08	930
5	1.5	7/0.53	1.59	0.8	1.0	0.9	1.8	17.0	12.1	500
	2.5	7/0.67	2.01	0.8	1.0	0.9	1.8	18.0	7.41	590
	4	7/0.85	2.55	0.8	1.0	1.25	1.8	21.0	4.61	890
	6	7/1.04	3.12	0.8	1.0	1.25	1.8	23.0	3.08	1,070
6	1.5	7/0.53	1.59	0.8	1.0	0.9	1.8	18.0	12.1	560
	2.5	7/0.67	2.01	0.8	1.0	1.25	1.8	19.5	7.41	770
	4	7/0.85	2.55	0.8	1.0	1.25	1.8	23.0	4.61	1,000
	6	7/1.04	3.12	0.8	1.0	1.6	1.8	25.0	3.08	1,350

Number of core	Coductor			Thickness of Insulation	Thickness of Inner covering	Diameter of armour	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃	Approx. Weight of Cable
	Nom. cross-sectional area	Construction	Nom. Diameter							
(No.)	(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)
7	1.5	7/0.53	1.59	0.8	1.0	0.9	1.8	18.0	12.1	580
	2.5	7/0.67	2.01	0.8	1.0	1.25	1.8	19.5	7.41	800
	4	7/0.85	2.55	0.8	1.0	1.25	1.8	23.0	4.61	1,050
	6	7/1.04	3.12	0.8	1.0	1.6	1.8	25.0	3.08	1,410
8	1.5	7/0.53	1.59	0.8	1.0	1.25	1.8	19.5	12.1	740
	2.5	7/0.67	2.01	0.8	1.0	1.25	1.8	21.0	7.41	880
	4	7/0.85	2.55	0.8	1.0	1.25	1.8	24.0	4.61	1,170
	6	7/1.04	3.12	0.8	1.0	1.6	1.8	27.0	3.08	1,560
10	1.5	7/0.53	1.59	0.8	1.0	1.25	1.8	22.0	12.1	880
	2.5	7/0.67	2.01	0.8	1.0	1.25	1.8	24.0	7.41	1,050
	4	7/0.85	2.55	0.8	1.0	1.6	1.8	28.0	4.61	1,560
	6	7/1.04	3.12	0.8	1.0	1.6	1.8	31.0	3.08	1,900
12	1.5	7/0.53	1.59	0.8	1.0	1.25	1.8	23.0	12.1	940
	2.5	7/0.67	2.01	0.8	1.0	1.25	1.8	25.0	7.41	1,130
	4	7/0.85	2.55	0.8	1.0	1.6	1.8	29.0	4.61	1,710
	6	7/1.04	3.12	0.8	1.0	1.6	1.8	32.0	3.08	2,070
15	1.5	7/0.53	1.59	0.8	1.0	1.25	1.8	24.0	12.1	1,050
	2.5	7/0.67	2.01	0.8	1.0	1.6	1.8	26.0	7.41	1,440
	4	7/0.85	2.55	0.8	1.0	1.6	1.8	31.0	4.61	1,950
	6	7/1.04	3.12	0.8	1.0	1.6	1.8	34.0	3.08	2,410
20	1.5	7/0.53	1.59	0.8	1.0	1.25	1.8	27.0	12.1	1,400
	2.5	7/0.67	2.01	0.8	1.0	1.6	1.8	29.0	7.41	1,700
	4	7/0.85	2.55	0.8	1.0	1.6	1.8	34.0	4.61	2,380
	6	7/1.04	3.12	0.8	1.0	2.0	1.8	38.0	3.08	3,200
30	1.5	7/0.53	1.59	0.8	1.0	1.6	1.8	31.0	12.1	1,820
	2.5	7/0.67	2.01	0.8	1.0	1.6	1.8	33.0	7.41	2,270
	4	7/0.85	2.55	0.8	1.2	2.0	1.8	41	4.61	3520

Weight can be different depending on item

Control Cable

0.6/1kV PVC Insulated Unamoured Control Cable with common screen (0.6/1kV Cu/PVC/CTS/PVC)



APPLICATIONS

For installation in ground, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks.

SPECIFICATION

IEC 60502-1

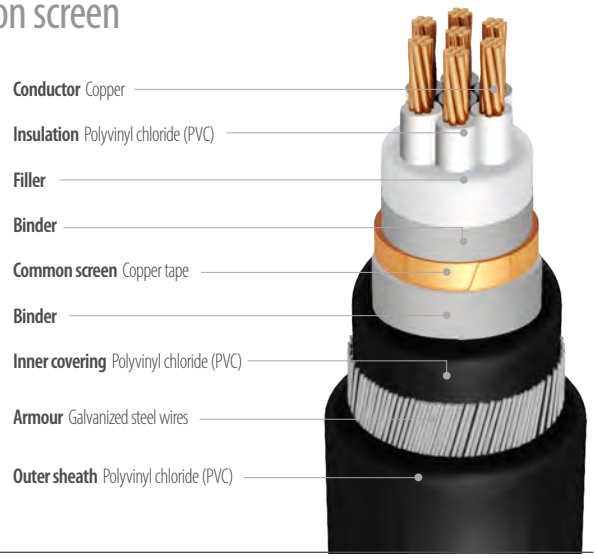
Number of core	Conductor			Thickness of Insulation	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃	Approx. Weight of Cable
	Nom. cross-sectional area	Construction	Nom. Diameter					
(No.)	(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)
2	1.5	7/0.53	1.59	0.8	1.8	11.0	12.1	130
	2.5	7/0.67	2.01	0.8	1.8	12.0	7.41	160
	4	7/0.85	2.55	0.8	1.8	14.0	4.61	230
	6	7/1.04	3.12	0.8	1.8	15.0	3.08	280
3	1.5	7/0.53	1.59	0.8	1.8	11.5	12.1	160
	2.5	7/0.67	2.01	0.8	1.8	12.5	7.41	200
	4	7/0.85	2.55	0.8	1.8	14.5	4.61	280
	6	7/1.04	3.12	0.8	1.8	15.5	3.08	360
4	1.5	7/0.53	1.59	0.8	1.8	12.5	12.1	210
	2.5	7/0.67	2.01	0.8	1.8	13.5	7.41	270
	4	7/0.85	2.55	0.8	1.8	15.5	4.61	380
	6	7/1.04	3.12	0.8	1.8	17.0	3.08	490
5	1.5	7/0.53	1.59	0.8	1.8	13.5	12.1	250
	2.5	7/0.67	2.01	0.8	1.8	14.5	7.41	320
	4	7/0.85	2.55	0.8	1.8	17.0	4.61	460
	6	7/1.04	3.12	0.8	1.8	18.5	3.08	590
6	1.5	7/0.53	1.59	0.8	1.8	14.5	12.1	290
	2.5	7/0.67	2.01	0.8	1.8	15.5	7.41	370
	4	7/0.85	2.55	0.8	1.8	18.5	4.61	530
	6	7/1.04	3.12	0.8	1.8	20.0	3.08	690

Number of core	Conductor			Thickness of Insulation	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃	Approx. Weight of Cable
	Nom. cross-sectional area	Construction	Nom. Diameter					
(No.)	(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)
7	1.5	7/0.53	1.59	0.8	1.8	14.5	12.1	310
	2.5	7/0.67	2.01	0.8	1.8	15.5	7.41	400
	4	7/0.85	2.55	0.8	1.8	18.5	4.61	580
	6	7/1.04	3.12	0.8	1.8	20.0	3.08	750
8	1.5	7/0.53	1.59	0.8	1.8	15.5	12.1	350
	2.5	7/0.67	2.01	0.8	1.8	16.5	7.41	450
	4	7/0.85	2.55	0.8	1.8	20.0	4.61	660
	6	7/1.04	3.12	0.8	1.8	21.5	3.08	850
10	1.5	7/0.53	1.59	0.8	1.8	17.5	12.1	430
	2.5	7/0.67	2.01	0.8	1.8	19.0	7.41	560
	4	7/0.85	2.55	0.8	1.8	23.0	4.61	830
	6	7/1.04	3.12	0.8	1.8	25.5	3.08	1,080
12	1.5	7/0.53	1.59	0.8	1.8	18.0	12.1	490
	2.5	7/0.67	2.01	0.8	1.8	20.0	7.41	640
	4	7/0.85	2.55	0.8	1.8	24.0	4.61	940
	6	7/1.04	3.12	0.8	1.8	26.0	3.08	1,240
15	1.5	7/0.53	1.59	0.8	1.8	19.5	12.1	570
	2.5	7/0.67	2.01	0.8	1.8	21.5	7.41	760
	4	7/0.85	2.55	0.8	1.8	25.5	4.61	1,130
	6	7/1.04	3.12	0.8	1.8	28.5	3.08	1,510
20	1.5	7/0.53	1.59	0.8	1.8	22.0	12.1	730
	2.5	7/0.67	2.01	0.8	1.8	24.0	7.41	970
	4	7/0.85	2.55	0.8	1.8	29.5	4.61	1,480
	6	7/1.04	3.12	0.8	1.8	32.5	3.08	1,980
30	1.5	7/0.53	1.59	0.8	1.8	25.5	12.1	1,020
	2.5	7/0.67	2.01	0.8	1.8	28.5	7.41	1,390
	4	7/0.85	2.55	0.8	1.8	35	4.61	2,150

Weight can be different depending on item

Control Cable

0.6/1kV PVC Insulated Amoured Control Cable with common screen (0.6/1kV Cu/PVC/CTS/SWA/PVC)



APPLICATIONS

For installation in ground, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks.

SPECIFICATION

IEC 60502-1

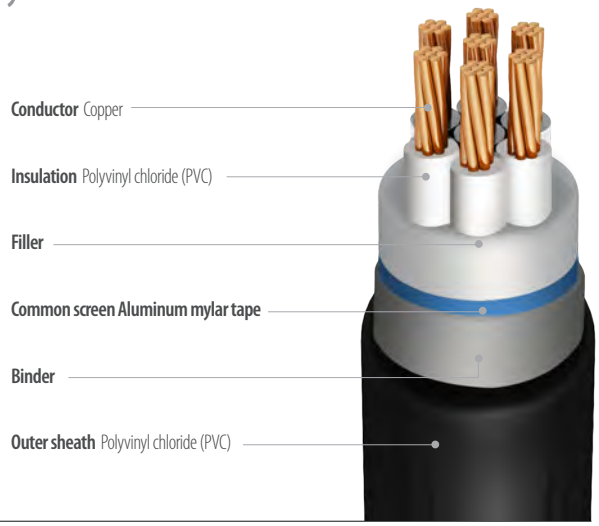
Number of core	Coductor			Thickness of Insulation	Thickness of Inner covering	Diameter of armour	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃	Approx. Weight of Cable
	Nom. cross-sectional area	Construction	Nom. Diameter							
(No.)	(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)
2	1.5	7/0.53	1.59	0.8	1.0	0.9	1.8	11.5	12.1	154
	2.5	7/0.67	2.01	0.8	1.0	0.9	1.8	12.5	7.41	186
	4	7/0.85	2.55	0.8	1.0	0.9	1.8	14.5	4.61	257
	6	7/1.04	3.12	0.8	1.0	1.25	1.8	15.5	3.08	315
3	1.5	7/0.53	1.59	0.8	1.0	0.9	1.8	12.0	12.1	182
	2.5	7/0.67	2.01	0.8	1.0	0.9	1.8	13.0	7.41	227
	4	7/0.85	2.55	0.8	1.0	1.25	1.8	15.0	4.61	317
	6	7/1.04	3.12	0.8	1.0	1.25	1.8	16.5	3.08	395
4	1.5	7/0.53	1.59	0.8	1.0	0.9	1.8	13.0	12.1	216
	2.5	7/0.67	2.01	0.8	1.0	0.9	1.8	14.5	7.41	271
	4	7/0.85	2.55	0.8	1.0	1.25	1.8	16.5	4.61	386
	6	7/1.04	3.12	0.8	1.0	1.25	1.8	17.5	3.08	488
5	1.5	7/0.53	1.59	0.8	1.0	0.9	1.8	14.0	12.1	256
	2.5	7/0.67	2.01	0.8	1.0	0.9	1.8	15.0	7.41	319
	4	7/0.85	2.55	0.8	1.0	1.25	1.8	17.5	4.61	454
	6	7/1.04	3.12	0.8	1.0	1.25	1.8	19.0	3.08	556
6	1.5	7/0.53	1.59	0.8	1.0	0.9	1.8	15.0	12.1	294
	2.5	7/0.67	2.01	0.8	1.0	1.25	1.8	16.0	7.41	370
	4	7/0.85	2.55	0.8	1.0	1.25	1.8	19.0	4.61	532
	6	7/1.04	3.12	0.8	1.0	1.6	1.8	22.0	3.08	691

Number of core	Coductor			Thickness of Insulation	Thickness of Inner covering	Diameter of armour	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃	Approx. Weight of Cable
	Nom. cross-sectional area	Construction	Nom. Diameter							
(No.)	(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)
7	1.5	7/0.53	1.59	0.8	1.0	0.9	1.8	15.0	12.1	309
	2.5	7/0.67	2.01	0.8	1.0	1.25	1.8	16.0	7.41	398
	4	7/0.85	2.55	0.8	1.0	1.25	1.8	19.0	4.61	576
	6	7/1.04	3.12	0.8	1.0	1.6	1.8	22.0	3.08	752
8	1.5	7/0.53	1.59	0.8	1.0	1.25	1.8	16.0	12.1	341
	2.5	7/0.67	2.01	0.8	1.0	1.25	1.8	17.0	7.41	452
	4	7/0.85	2.55	0.8	1.0	1.25	1.8	21.0	4.61	657
	6	7/1.04	3.12	0.8	1.0	1.6	1.8	23.0	3.08	849
10	1.5	7/0.53	1.59	0.8	1.0	1.25	1.8	18.0	12.1	431
	2.5	7/0.67	2.01	0.8	1.0	1.25	1.8	20.0	7.41	554
	4	7/0.85	2.55	0.8	1.0	1.6	1.8	24.0	4.61	822
	6	7/1.04	3.12	0.8	1.0	1.6	1.8	27.0	3.08	4,063
12	1.5	7/0.53	1.59	0.8	1.0	1.25	1.8	19.0	12.1	484
	2.5	7/0.67	2.01	0.8	1.0	1.25	1.8	21.0	7.41	630
	4	7/0.85	2.55	0.8	1.0	1.6	1.8	25.0	4.61	927
	6	7/1.04	3.12	0.8	1.0	1.6	1.8	27.0	3.08	1,207
15	1.5	7/0.53	1.59	0.8	1.0	1.25	1.8	20.0	12.1	558
	2.5	7/0.67	2.01	0.8	1.0	1.6	1.8	21.0	7.41	732
	4	7/0.85	2.55	0.8	1.0	1.6	1.8	27.0	4.61	1,120
	6	7/1.04	3.12	0.8	1.0	1.6	1.8	29.0	3.08	1,460
20	1.5	7/0.53	1.59	0.8	1.0	1.25	1.8	23.0	12.1	703
	2.5	7/0.67	2.01	0.8	1.0	1.6	1.8	25.0	7.41	930
	4	7/0.85	2.55	0.8	1.0	1.6	1.8	30.0	4.61	1,439
	6	7/1.04	3.12	0.8	1.0	2.0	1.8	33.0	3.08	1,876
30	1.5	7/0.53	1.59	0.8	1.0	1.6	1.8	27.0	12.1	983
	2.5	7/0.67	2.01	0.8	1.0	1.6	1.8	29.0	7.41	1,331
	4	7/0.85	2.55	0.8	1.2	2.0	1.8	36	4.61	1992

Weight can be different depending on item

Control Cable

0.6/1kV PVC Insulated Unamoured Control Cable with AL Mylar screen (0.6/1kV Cu/PVC/AL Mylar/PVC)



APPLICATIONS

For installation in ground, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks.

SPECIFICATION

IEC 60502-1

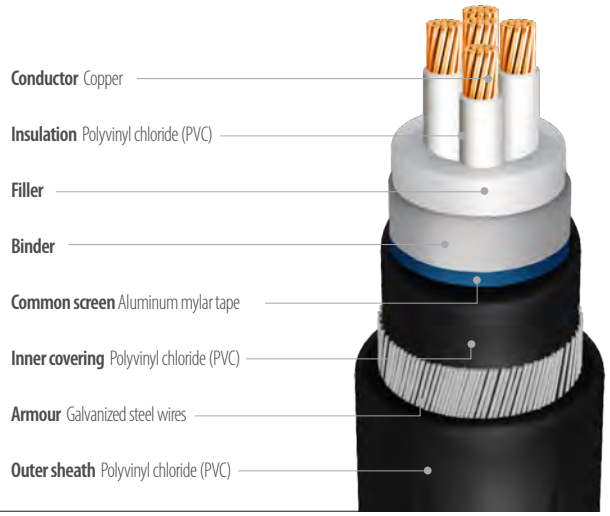
Number of core	Conductor			Thickness of Insulation	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃	Approx. Weight of Cable
	Nom. cross-sectional area	Construction	Nom. Diameter					
(No.)	(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)
2	1.5	7/0.53	1.59	0.8	1.8	11.0	12.1	138
	2.5	7/0.67	2.01	0.8	1.8	12.0	7.41	169
	4	7/0.85	2.55	0.8	1.8	14.0	4.61	234
	6	7/1.04	3.12	0.8	1.8	15.0	3.08	290
3	1.5	7/0.53	1.59	0.8	1.8	11.5	12.1	166
	2.5	7/0.67	2.01	0.8	1.8	12.5	7.41	209
	4	7/0.85	2.55	0.8	1.8	14.5	4.61	293
	6	7/1.04	3.12	0.8	1.8	16.0	3.08	368
4	1.5	7/0.53	1.59	0.8	1.8	12.5	12.1	198
	2.5	7/0.67	2.01	0.8	1.8	13.5	7.41	250
	4	7/0.85	2.55	0.8	1.8	16.0	4.61	358
	6	7/1.04	3.12	0.8	1.8	17.0	3.08	457
5	1.5	7/0.53	1.59	0.8	1.8	13.5	12.1	235
	2.5	7/0.67	2.01	0.8	1.8	14.5	7.41	296
	4	7/0.85	2.55	0.8	1.8	17.0	4.61	424
	6	7/1.04	3.12	0.8	1.8	18.5	3.08	552
6	1.5	7/0.53	1.59	0.8	1.8	14.5	12.1	271
	2.5	7/0.67	2.01	0.8	1.8	15.5	7.41	344
	4	7/0.85	2.55	0.8	1.8	18.5	4.61	498
	6	7/1.04	3.12	0.8	1.8	21.0	3.08	652

Number of core	Conductor			Thickness of Insulation	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃	Approx. Weight of Cable
	Nom. cross-sectional area	Construction	Nom. Diameter					
(No.)	(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)
7	1.5	7/0.53	1.59	0.8	1.8	14.5	12.1	286
	2.5	7/0.67	2.01	0.8	1.8	15.5	7.41	371
	4	7/0.85	2.55	0.8	1.8	18.5	4.61	542
	6	7/1.04	3.12	0.8	1.8	21.0	3.08	714
8	1.5	7/0.53	1.59	0.8	1.8	15.5	12.1	315
	2.5	7/0.67	2.01	0.8	1.8	16.5	7.41	423
	4	7/0.85	2.55	0.8	1.8	20.0	4.61	619
	6	7/1.04	3.12	0.8	1.8	22.0	3.08	807
10	1.5	7/0.53	1.59	0.8	1.8	18.5	12.1	451
	2.5	7/0.67	2.01	0.8	1.8	19.5	7.41	518
	4	7/0.85	2.55	0.8	1.8	23.0	4.61	776
	6	7/1.04	3.12	0.8	1.8	26.0	3.08	1,011
12	1.5	7/0.53	1.59	0.8	1.8	19.0	12.1	399
	2.5	7/0.67	2.01	0.8	1.8	20.0	7.41	593
	4	7/0.85	2.55	0.8	1.8	24.0	4.61	879
	6	7/1.04	3.12	0.8	1.8	27.0	3.08	1,167
15	1.5	7/0.53	1.59	0.8	1.8	19.5	12.1	522
	2.5	7/0.67	2.01	0.8	1.8	22.0	7.41	691
	4	7/0.85	2.55	0.8	1.8	26.0	4.61	1,415
	6	7/1.04	3.12	0.8	1.8	29.0	3.08	1,612
20	1.5	7/0.53	1.59	0.8	1.8	22.0	12.1	662
	2.5	7/0.67	2.01	0.8	1.8	24.0	7.41	872
	4	7/0.85	2.55	0.8	1.8	29.0	4.61	1,366
	6	7/1.04	3.12	0.8	1.8	32.0	3.08	1,827
30	1.5	7/0.53	1.59	0.8	1.8	26.0	12.1	932
	2.5	7/0.67	2.01	0.8	1.8	28.0	7.41	1,259
	4	7/0.85	2.55	0.8	1.8	35	4.61	1955

Weight can be different depending on item

Control Cable

0.6/1kV PVC Insulated Amoured Control Cable with AL Mylar screen (0.6/1kV Cu/PVC/AL Mylar/SWA/PVC)



APPLICATIONS

For installation in ground, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks.

SPECIFICATION

IEC 60502-1

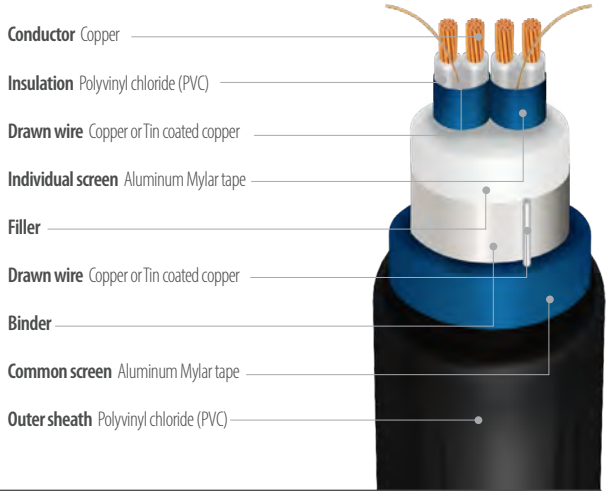
Number of core	Coductor			Thickness of Insulation	Thickness of Inner covering	Diameter of armour	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃	Approx. Weight of Cable
	Nom. cross-sectional area	Construction	Nom. Diameter							
(No.)	(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)
2	1.5	7/0.53	1.59	0.8	1.0	0.9	1.8	15.0	12.1	390
	2.5	7/0.67	2.01	0.8	1.0	0.9	1.8	16.0	7.41	440
	4	7/0.85	2.55	0.8	1.0	0.9	1.8	18.5	4.61	640
	6	7/1.04	3.12	0.8	1.0	1.25	1.8	19.5	3.08	720
3	1.5	7/0.53	1.59	0.8	1.0	0.9	1.8	15.5	12.1	420
	2.5	7/0.67	2.01	0.8	1.0	0.9	1.8	17.0	7.41	570
	4	7/0.85	2.55	0.8	1.0	1.25	1.8	19.0	4.61	710
	6	7/1.04	3.12	0.8	1.0	1.25	1.8	21.0	3.08	820
4	1.5	7/0.53	1.59	0.8	1.0	0.9	1.8	17.0	12.1	560
	2.5	7/0.67	2.01	0.8	1.0	0.9	1.8	18.0	7.41	640
	4	7/0.85	2.55	0.8	1.0	1.25	1.8	21.0	4.61	810
	6	7/1.04	3.12	0.8	1.0	1.25	1.8	22.0	3.08	950
5	1.5	7/0.53	1.59	0.8	1.0	0.9	1.8	18.0	12.1	620
	2.5	7/0.67	2.01	0.8	1.0	0.9	1.8	19.0	7.41	720
	4	7/0.85	2.55	0.8	1.0	1.25	1.8	23.0	4.61	1,050
	6	7/1.04	3.12	0.8	1.0	1.25	1.8	24.0	3.08	1,220
6	1.5	7/0.53	1.59	0.8	1.0	0.9	1.8	19.0	12.1	680
	2.5	7/0.67	2.01	0.8	1.0	1.25	1.8	20.0	7.41	790
	4	7/0.85	2.55	0.8	1.0	1.25	1.8	24.0	4.61	1,160
	6	7/1.04	3.12	0.8	1.0	1.6	1.8	26.0	3.08	1,370

Number of core	Coductor			Thickness of Insulation	Thickness of Inner covering	Diameter of armour	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃	Approx. Weight of Cable
	Nom. cross-sectional area	Construction	Nom. Diameter							
(No.)	(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)
7	1.5	7/0.53	1.59	0.8	1.0	0.9	1.8	19.0	12.1	700
	2.5	7/0.67	2.01	0.8	1.0	1.25	1.8	20.0	7.41	820
	4	7/0.85	2.55	0.8	1.0	1.25	1.8	24.0	4.61	1,210
	6	7/1.04	3.12	0.8	1.0	1.6	1.8	26.0	3.08	1,440
8	1.5	7/0.53	1.59	0.8	1.0	1.25	1.8	20.0	12.1	770
	2.5	7/0.67	2.01	0.8	1.0	1.25	1.8	21.0	7.41	900
	4	7/0.85	2.55	0.8	1.0	1.25	1.8	25.0	4.61	1,320
	6	7/1.04	3.12	0.8	1.0	1.6	1.8	27.0	3.08	1,590
10	1.5	7/0.53	1.59	0.8	1.0	1.25	1.8	22.0	12.1	910
	2.5	7/0.67	2.01	0.8	1.0	1.25	1.8	25.0	7.41	1,220
	4	7/0.85	2.55	0.8	1.0	1.6	1.8	29.0	4.61	1,590
	6	7/1.04	3.12	0.8	1.0	1.6	1.8	31.0	3.08	1,910
12	1.5	7/0.53	1.59	0.8	1.0	1.25	1.8	24.0	12.1	1,110
	2.5	7/0.67	2.01	0.8	1.0	1.25	1.8	26.0	7.41	1,310
	4	7/0.85	2.55	0.8	1.0	1.6	1.8	30.0	4.61	1,730
	6	7/1.04	3.12	0.8	1.0	1.6	1.8	32.0	3.08	2,110
15	1.5	7/0.53	1.59	0.8	1.0	1.25	1.8	25.0	12.1	1,220
	2.5	7/0.67	2.01	0.8	1.0	1.6	1.8	27.0	7.41	1,470
	4	7/0.85	2.55	0.8	1.0	1.6	1.8	32.0	4.61	1,980
	6	7/1.04	3.12	0.8	1.0	1.6	1.8	34.0	3.08	2,430
20	1.5	7/0.53	1.59	0.8	1.0	1.25	1.8	27.0	12.1	1,440
	2.5	7/0.67	2.01	0.8	1.0	1.6	1.8	29.0	7.41	1,740
	4	7/0.85	2.55	0.8	1.0	1.6	1.8	35.0	4.61	2,630
	6	7/1.04	3.12	0.8	1.0	2.0	1.8	39.0	3.08	3,240
30	1.5	7/0.53	1.59	0.8	1.0	1.6	1.8	31.0	12.1	1,860
	2.5	7/0.67	2.01	0.8	1.0	1.6	1.8	34.0	7.41	2,300
	4	7/0.85	2.55	0.8	1.2	2.0	1.8	42.0	4.61	3520

Weight can be different depending on item

Control Cable

0.6/1kV PVC Insulated Unarmoured Control Cable with Individual screen (0.6/1kV Cu/PVC/AL Mylar/AL Mylar/PVC)



APPLICATIONS

For installation in ground, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks.

SPECIFICATION

IEC 60502-1

Number of pairs	Conductor			Thickness of Insulation	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃	Approx. Weight of Cable
	Nom. cross-sectional area	Construction	Nom. Diameter					
(No.)	(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)
2P	1.5	7/0.53	1.59	0.8	1.8	16.0	12.1	260
	2.5	7/0.67	2.01	0.8	1.8	17.0	7.41	319
3P	1.5	7/0.53	1.59	0.8	1.8	18.0	12.1	346
	2.5	7/0.67	2.01	0.8	1.8	20.0	7.41	427
4P	1.5	7/0.53	1.59	0.8	1.8	20.0	12.1	418
	2.5	7/0.67	2.01	0.8	1.8	22.0	7.41	524
5P	1.5	7/0.53	1.59	0.8	1.8	22.0	12.1	496
	2.5	7/0.67	2.01	0.8	1.8	24.0	7.41	627
10P	1.5	7/0.53	1.59	0.8	1.9	28.0	12.1	890
	2.5	7/0.67	2.01	0.8	1.9	31.0	7.41	1,141
15P	1.5	7/0.53	1.59	0.8	2.0	34.0	12.1	1,229
	2.5	7/0.67	2.01	0.8	2.2	38.0	7.41	1,622
20P	1.5	7/0.53	1.59	0.8	2.0	39.0	12.1	1,590
	2.5	7/0.67	2.01	0.8	2.4	43.0	7.41	2,142

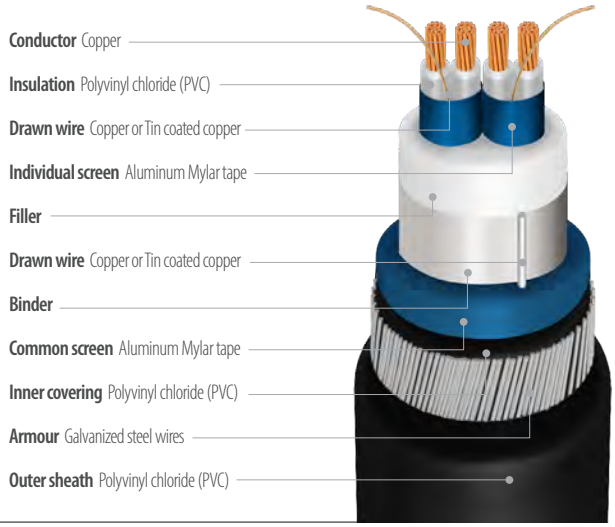
Weight can be different depending on item

Number of triads	Conductor			Thickness of Insulation	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃	Approx. Weight of Cable
	Nom. cross-sectional area	Construction	Nom. Diameter					
(No.)	(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)
2T	1.5	7/0.53	1.59	0.8	1.8	19.0	12.1	260
	2.5	7/0.67	2.01	0.8	1.8	20.0	7.41	319
3T	1.5	7/0.53	1.59	0.8	1.8	20.0	12.1	346
	2.5	7/0.67	2.01	0.8	1.8	21.0	7.41	427
4T	1.5	7/0.53	1.59	0.8	1.8	22.0	12.1	418
	2.5	7/0.67	2.01	0.8	1.8	23.0	7.41	524
5T	1.5	7/0.53	1.59	0.8	1.8	24.0	12.1	496
	2.5	7/0.67	2.01	0.8	1.8	25.0	7.41	627
10T	1.5	7/0.53	1.59	0.8	2.0	34.0	12.1	890
	2.5	7/0.67	2.01	0.8	2.1	35.0	7.41	1,141
15T	1.5	7/0.53	1.59	0.8	2.2	38.0	12.1	1,229

Weight can be different depending on item

Control Cable

0.6/1kV PVC Insulated Armoured Control Cable with Individual screen (0.6/1kV Cu/PVC/AL Mylar/AL Mylar/SWA/PVC)



APPLICATIONS

For installation in ground, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks.

SPECIFICATION

IEC 60502-1

Number of pairs	Conductor			Thickness of Insulation	Thickness of Inner covering	Diameter of armour	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃	Approx. Weight of Cable
	Nom. cross-sectional area	Construction	Nom. Diameter							
(No.)	(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)
2P	1.5	7/0.53	1.59	0.8	1.2	1.25	1.8	20.0	12.1	720
3P	1.5	7/0.53	1.59	0.8	1.2	1.6	1.8	24.0	12.1	1,010
4P	1.5	7/0.53	1.59	0.8	1.2	1.6	1.8	25.0	12.1	1,140
5P	1.5	7/0.53	1.59	0.8	1.2	1.6	1.8	27.0	12.1	1,280
6P	1.5	7/0.53	1.59	0.8	1.2	1.6	1.9	29.0	12.1	1,420
7P	1.5	7/0.53	1.59	0.8	1.2	1.6	1.9	29.0	12.1	1,570
8P	1.5	7/0.53	1.59	0.8	1.2	1.6	2.0	31.0	12.1	1,650
10P	1.5	7/0.53	1.59	0.8	1.2	2.0	2.1	35.0	12.1	2,150
12P	1.5	7/0.53	1.59	0.8	1.2	2.0	2.1	37.0	12.1	2,400
15P	1.5	7/0.53	1.59	0.8	1.2	2.0	2.3	41.0	12.1	2,750
20P	1.5	7/0.53	1.59	0.8	1.2	2.0	2.4	46.0	12.1	3,710

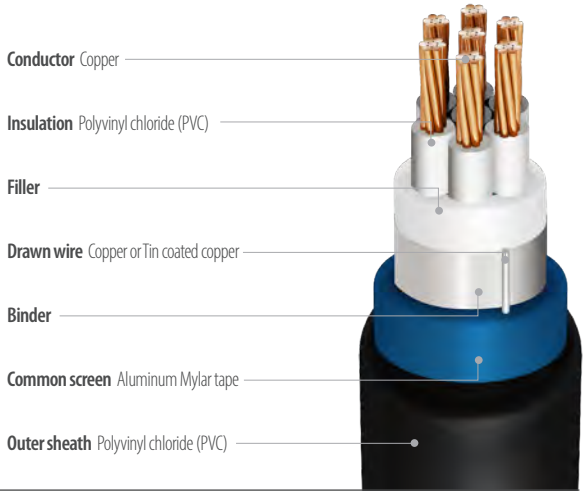
Weight can be different depending on item

Number of triads	Conductor			Thickness of Insulation	Thickness of Inner covering	Diameter of armour	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃	Approx. Weight of Cable
	Nom. cross-sectional area	Construction	Nom. Diameter							
(No.)	(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)
2T	1.5	7/0.53	1.59	0.8	1.2	1.6	1.8	20.0	12.1	1,050
3T	1.5	7/0.53	1.59	0.8	1.2	1.6	1.8	24.0	12.1	1,170
4T	1.5	7/0.53	1.59	0.8	1.2	1.6	1.8	25.0	12.1	1,340
5T	1.5	7/0.53	1.59	0.8	1.2	1.6	1.9	27.0	12.1	1,540
6T	1.5	7/0.53	1.59	0.8	1.2	1.6	2.0	29.0	12.1	1,740
7T	1.5	7/0.53	1.59	0.8	1.2	1.6	2.0	29.0	12.1	1,790
8T	1.5	7/0.53	1.59	0.8	1.2	2.0	2.1	31.0	12.1	2,250
10T	1.5	7/0.53	1.59	0.8	1.2	2.0	2.3	35.0	12.1	2,720
12T	1.5	7/0.53	1.59	0.8	1.2	2.0	2.3	37.0	12.1	2,950
15T	1.5	7/0.53	1.59	0.8	1.2	2.5	2.4	41.0	12.1	3,790
20T	1.5	7/0.53	1.59	0.8	1.2	2.5	2.6	46.0	12.1	4,590

Weight can be different depending on item

Instrument Cable

300/500V PVC Insulated Unarmoured Instrument Cable (300/500V Cu/PVC/AL Mylar/PVC)



APPLICATIONS

For installation in ground, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks.

SPECIFICATION

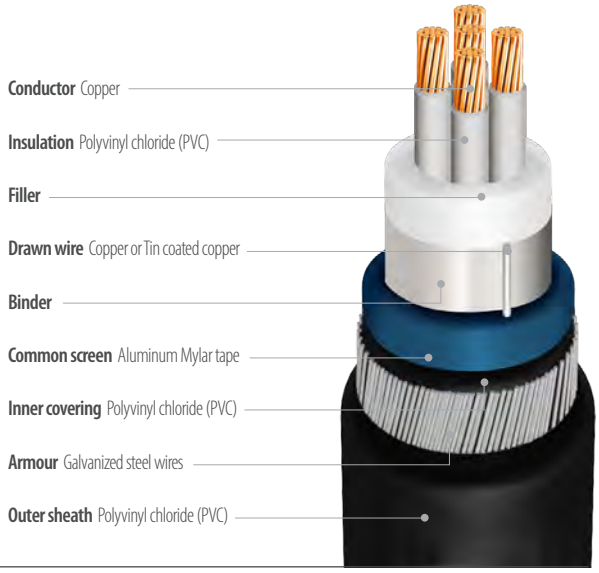
BS 6746

Number of core	Conductor			Thickness of Insulation	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃	Approx. Weight of Cable
	Nom. cross-sectional area	Construction	Nom. Diameter					
(No.)	(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)
1	1.5	7/0.53	1.59	0.6	0.8	7.3	12.1	90
2	1.5	7/0.53	1.59	0.6	0.8	8.7	12.1	170
5	1.5	7/0.53	1.59	0.6	1.2	15.4	12.1	330
10	1.5	7/0.53	1.59	0.6	1.3	20.6	12.1	610
15	1.5	7/0.53	1.59	0.6	1.5	24.2	12.1	810
20	1.5	7/0.53	1.59	0.6	1.5	27.5	12.1	1,320
30	1.5	7/0.53	1.59	0.6	1.7	33.3	12.1	1,510
50	1.5	7/0.53	1.59	0.6	2.0	42.6	12.1	2,470

Weight can be different depending on item

Instrument Cable

300/500V PVC Insulated Armoured Instrument Cable (300/500V Cu/PVC/AL Mylar/SWA/PVC)



APPLICATIONS

For installation in ground, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks.

SPECIFICATION

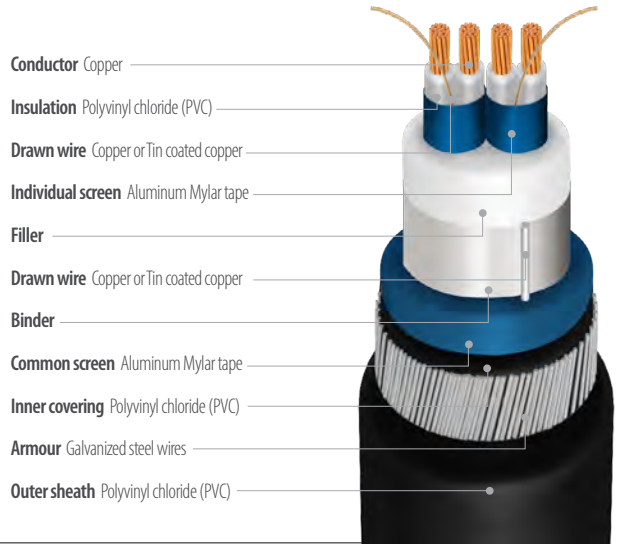
BS 6746

Number of core	Conductor			Thickness of Insulation	Thickness of Inner covering	Diameter of armour	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃	Approx. Weight of Cable
	Nom. cross-sectional area	Construction	Nom. Diameter							
(No.)	(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)
1	1.5	7/0.53	1.59	0.6	0.8	0.9	1.4	11.9	12.1	340
2	1.5	7/0.53	1.59	0.6	0.8	0.9	1.4	13.3	12.1	440
5	1.5	7/0.53	1.59	0.6	1.2	1.25	1.6	21.1	12.1	910
10	1.5	7/0.53	1.59	0.6	1.3	1.6	1.8	27.4	12.1	1,610
15	1.5	7/0.53	1.59	0.6	1.5	1.6	1.9	31.2	12.1	2,160
20	1.5	7/0.53	1.59	0.6	1.5	1.6	2.0	34.7	12.1	2,360
30	1.5	7/0.53	1.59	0.6	1.7	2.0	2.1	41.5	12.1	3,310
50	1.5	7/0.53	1.59	0.6	2.0	2.5	2.4	52.4	12.1	5,100

Weight can be different depending on item

Instrument Cable

300/500V PVC Insulated Unarmoured Instrument Cable with Individual screen (300/500V Cu/PVC/AL Mylar/AL Mylar/PVC)



APPLICATIONS

For installation in ground, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks.

SPECIFICATION

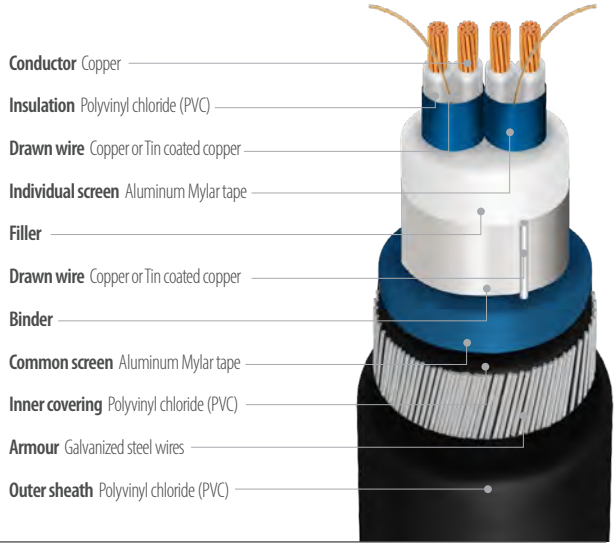
BS 6746

Number of pairs	Nom. cross-sectional area	Conductor Construction	Nom. Diameter	Thickness of Insulation	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃	Approx. Weight of Cable
(No.)	(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)
2P	1.5	7/0.53	1.59	0.6	1.2	13.7	12.1	190
5P	1.5	7/0.53	1.59	0.6	1.3	17.8	12.1	430
10P	1.5	7/0.53	1.59	0.6	1.5	25.5	12.1	750
15P	1.5	7/0.53	1.59	0.6	1.7	29.8	12.1	1,060
20P	1.5	7/0.53	1.59	0.6	1.7	33.4	12.1	1,350
30P	1.5	7/0.53	1.59	0.6	2.0	40.0	12.1	2,060
50P	1.5	7/0.53	1.59	0.6	2.2	51.2	12.1	3,090

Weight can be different depending on item

Instrument Cable

300/500V PVC Insulated Armoured Instrument Cable with Individual screen (300/500V Cu/PVC/AL Mylar/AL Mylar/SWA/PVC)



APPLICATIONS

For installation in ground, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks.

SPECIFICATION

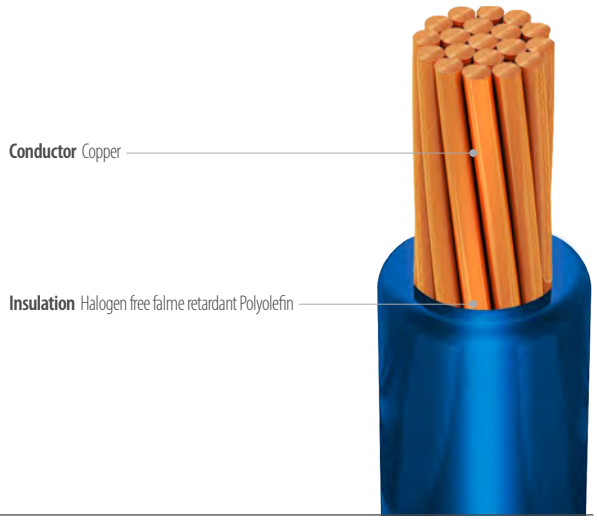
BS 6746

Number of pairs	Conductor			Thickness of Insulation	Thickness of Inner covering	Diameter of armour	Thickness of outer sheath	Approx. Overall Diameter	Max. Conductor Resistance at 20℃	Approx. Weight of Cable
	Nom. cross-sectional area	Construction	Nom. Diameter							
(No.)	(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)
2P	1.5	7/0.53	1.59	0.6	1.2	1.25	1.6	19.4	12.1	680
5P	1.5	7/0.53	1.59	0.6	1.3	1.6	1.7	24.4	12.1	1,200
10P	1.5	7/0.53	1.59	0.6	1.5	1.6	1.9	32.5	12.1	1,520
15P	1.5	7/0.53	1.59	0.6	1.7	2.0	2.0	37.8	12.1	2,640
20P	1.5	7/0.53	1.59	0.6	1.7	2.0	2.1	41.6	12.1	3,100
30P	1.5	7/0.53	1.59	0.6	2.0	2.5	2.4	49.8	12.1	4,400
50P	1.5	7/0.53	1.59	0.6	2.2	2.5	2.7	61.6	12.1	5,390

Weight can be different depending on item

Insulated Wire

450/750V Halogen Free Cross-Linked Polyolefin Insulation Wire (450/750V HF-IX)



APPLICATIONS

It is chiefly used for indoor distribution line under 450/750V grade.

SPECIFICATION

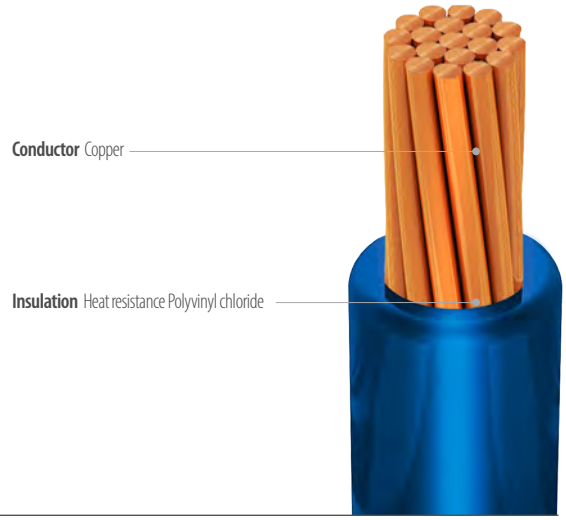
KS C 3341

Conductor			Thickness of Insulation	Approx. Overall Diameter	Max. Conductor Resistance at 20℃	Approx. Weight of Cable
Nom. cross-sectional area	Construction	Nom. Diameter				
(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)
1.5	1/1.38	1.38	0.7	3.3	12.1	21
1.5	7/0.53	1.59	0.7	3.4	12.1	22
2.5	1/1.78	1.78	0.8	4.0	7.41	32
2.5	7/0.67	2.01	0.8	4.1	7.41	33
4	1/2.25	2.25	0.8	4.6	4.61	46
4	7/0.82	2.55	0.8	4.7	4.61	48
6	7/1.04	3.12	0.8	5.4	3.08	70
10	7/1.35	4.05	1.0	7.0	1.83	110
16	compact	4.7	1.0	8.0	1.15	170
25	compact	5.9	1.2	10.1	0.727	265
35	compact	6.9	1.2	11.3	0.524	360
50	compact	8.1	1.4	13.2	0.387	480
70	compact	9.8	1.4	15.1	0.268	690
95	compact	11.4	1.6	17.6	0.193	940
120	compact	12.9	1.6	19.4	0.153	1,180
150	compact	14.4	1.8	21.6	0.124	1,460
185	compact	15.9	2.0	24.1	0.0991	1,830
240	compact	18.3	2.2	27.5	0.0754	2,400
300	compact	20.5	2.4	30.6	0.0601	2,990

Weight can be different depending on item

Insulated Wire

450/750V Heat resistant PVC Insulated wire (450/750V HIV)



APPLICATIONS

It is chiefly used for indoor distribution line under 450/750V grade.

SPECIFICATION

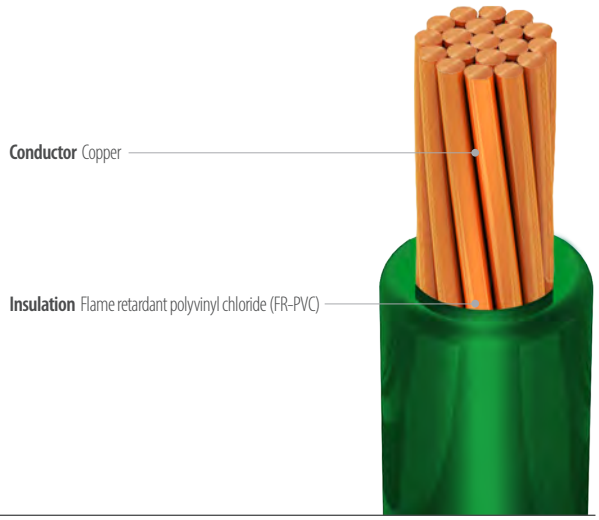
KS C 3341

Conductor			Thickness of Insulation	Approx. Overall Diameter	Max. Conductor Resistance at 20℃	Approx. Weight of Cable
Nom. cross-sectional area	Construction	Nom. Diameter				
(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)
1.5	1/1.38	1.38	0.7	3.2	12.1	20
1.5	7/0.53	1.59	0.7	3.3	12.1	25
2.5	1/1.78	1.78	0.7	3.9	7.41	35
2.5	7/0.67	2.01	0.7	4.0	7.41	35
4	1/2.25	2.25	0.8	4.4	4.61	50
4	7/0.85	2.55	0.8	4.6	4.61	55
6	1/2.76	2.76	0.8	5.0	3.08	70
6	7/1.04	3.12	0.8	5.2	3.08	75
10	1/3.57	3.57	1.0	6.4	1.83	115
10	7/1.35	4.05	1.0	6.7	1.83	120
16	compact	4.7	1.0	7.8	1.15	170
25	compact	5.9	1.2	9.7	0.727	270
35	compact	7.0	1.2	10.9	0.524	370
50	compact	8.5	1.4	12.8	0.387	510
70	compact	9.8	1.4	14.6	0.268	685
95	compact	11.5	1.6	17.1	0.193	10
120	compact	13.0	1.6	18.8	0.153	1,170
150	compact	14.6	1.8	20.9	0.124	1,450
185	compact	16.1	2.0	23.3	0.0991	1,820
240	compact	18.5	2.2	26.6	0.0754	2,305
300	compact	20.5	2.4	29.6	0.0601	2,925

Weight can be different depending on item

Insulated Wire

Grounding wire (TFR-GV)



APPLICATIONS

It is used mainly in earthing of electric apparatus and equipment.

SPECIFICATION

IEC 60502

Conductor			Thickness of Insulation	Approx. Overall Diameter	Max. Conductor Resistance at 20℃	Approx. Weight of Cable
Nom. cross-sectional area	Construction	Nom. Diameter				
(mm^2)	(No./mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)
1.5	7/0.53	1.59	2.2	6.0	12.1	60
2.5	7/0.67	2.01	2.2	6.5	7.41	70
4	7/0.85	2.55	2.4	7.5	4.61	100
6	7/1.04	3.12	2.4	8.0	3.08	120
10	7/1.35	4.05	2.4	10.0	1.83	170
16	compact	4.7	2.4	10.0	1.15	230
25	compact	5.9	2.6	11.5	0.727	340
35	compact	7.0	2.6	12.5	0.524	435
50	compact	8.5	2.8	14.0	0.387	575
70	compact	9.8	2.8	15.5	0.268	790
95	compact	11.5	3.1	18.0	0.193	1,070
120	compact	13.0	3.1	19.5	0.153	1,320
150	compact	14.6	3.4	21.5	0.124	1,620
185	compact	16.1	3.7	23.5	0.0991	2,010
240	compact	18.5	4.0	26.5	0.0754	2,620
300	compact	20.5	4.3	29.5	0.0601	3,260
400	compact	23.2	4.6	34.0	0.047	4,200
500	compact	26.4	4.9	38.0	0.0366	5,060
630	compact	30.3	5.0	42.0	0.0283	6,740

Weight can be different depending on item

XLPE Covered Conductor -TreeWire

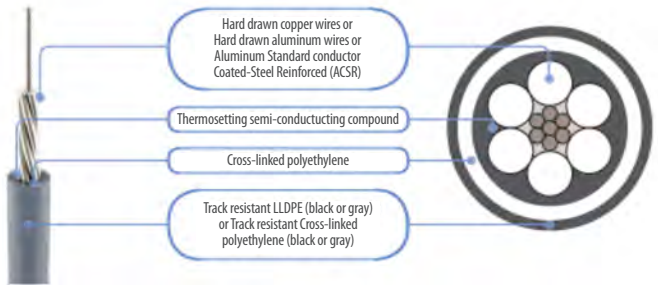
15kV 25kV 35kV XLPE Covered Conductor -TreeWire

APPLICATIONS

XLPE Covered Tree Wire consists of single conductor covered with either Linear Low-Density Polyethylene (LLDPE) or Cross-linked polyethylene (XLPE). Different conductor types are available. Stranded hard drawn aluminum wires or hard drawn copper wires shall comply with the relevant provisions of ICEA S-121-733.

SPECIFICATION

ICEA S-121-733.



Three Layer 15kV Covered Conductor Size

Size	Stranding	Cover Thickness	Cable O.D.	Rated Strength	Weight HD poly
(AWG or kcmil)	-	(mils.)	(mils.)	(lbs.)	(lbs./1000ft.)
4	6/1	150	580	1,767	151
2	6/1	150	646	2,708	202
1/0	6/1	150	728	4,161	278
2/0	6/1	150	777	5,045	330
3/0	6/1	150	832	6,289	393
4/0	6/1	150	893	7,933	471
266.8	18/1	150	939	6,536	474
266.8	26/7	150	972	10,735	553
336.4	18/1	150	1,014	8,246	570
336.4	26/7	150	1,050	13,395	669
336.4	30/7	150	1,071	16,435	935
397.5	18/1	150	1,073	9,443	653
397.5	24/7	150	1,102	13,870	707
397.5	26/7	150	1,113	15,485	770
477	24/7	150	1,176	16,340	824
477	26/7	150	1,188	18,525	899
477	30/7	150	1,213	22,610	1,274
556.5	18/1	150	1,219	13,015	874
556.5	24/7	150	1,254	18,810	949
556.5	26/7	150	1,267	21,470	1,036
636	18/1	150	1,280	14,915	1,200
636	26/7	150	1,330	23,940	1,373

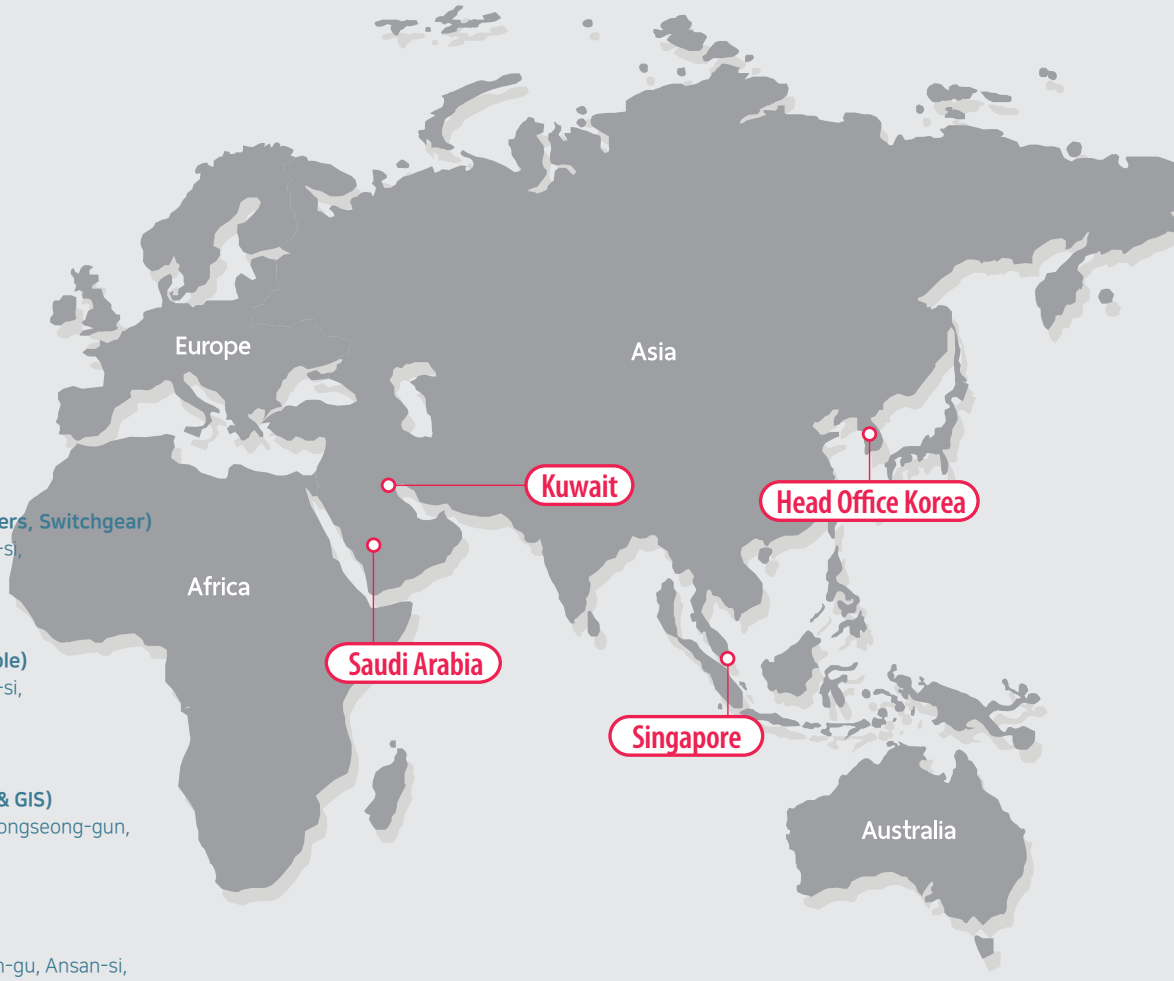
Three Layer 25kV Covered Conductor Size

Size	Stranding	Cover Thickness	Cable O.D.	Rated Strength	Weight HD poly
(AWG or kcmil)	-	(mils.)	(mils.)	(lbs.)	(lbs./1000ft.)
1/0	6/1	250	928	4,161	385
2/0	6/1	250	977	5,045	443
3/0	6/1	250	1,032	6,289	513
4/0	6/1	250	1,093	7,933	600
266.8	18/1	250	1,139	6,536	608
266.8	26/7	250	1,172	10,735	692
336.4	18/1	250	1,214	8,246	714
336.4	26/7	250	1,250	13,395	818
336.4	30/7	250	1,271	16,435	1,086
397.5	18/1	250	1,273	9,443	804
397.5	24/7	250	1,302	13,870	863
397.5	26/7	250	1,313	15,485	926
477	24/7	250	1,386	16,340	999
477	26/7	250	1,398	18,525	1,076
477	30/7	250	1,423	22,610	1,458
556.5	18/1	250	1,419	13,015	1,045
556.5	24/7	250	1,454	18,810	1,124
556.5	26/7	250	1,467	21,470	1,213

Three Layer 35kV Covered Conductor Size

Size	Stranding	Cover Thickness	Cable O.D.	Rated Strength	Weight HD poly
(AWG or kcmil)	-	(mils.)	(mils.)	(lbs.)	(lbs./1000ft.)
1/0	6/1	300	1,028	4,161	448
2/0	6/1	300	1,077	5,045	509
4/0	6/1	300	1,193	7,933	673
266.8	18/1	300	1,239	6,536	684
266.8	26/7	300	1,272	10,735	770
336.4	18/1	300	1,314	8,246	794
336.4	26/7	300	1,350	13,395	901
336.4	30/7	300	1,371	16,435	1170
397.5	18/1	300	1,373	9,443	889
397.5	24/7	300	1,402	13,870	949
397.5	26/7	300	1,413	15,485	1,013
477	24/7	300	1,486	16,340	1,091
477	26/7	300	1,498	18,525	1,168
477	30/7	300	1,523	22,610	1,552
556.5	18/1	300	1,519	13,015	1,138
556.5	24/7	300	1,554	18,810	1,220
556.5	26/7	300	1,567	21,470	1,309
636	18/1	300	1,580	14,915	1,637
636	26/7	300	1,630	23,940	1,826
795	26/7	300	1,747	29,925	2,146
795	45/7	300	1,703	20,995	1,892

ILJIN Electric Global Network



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• Ansan Plant


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