

XLPE-Insulated Cables

600/1000V Single-Core

XLPE Insulated, Unarmoured & Armoured, PVC Sheathed Cable

CU/XLPE/PVC or CU/XLPE/PVC/AWA/PVC



Application :	This cable is primarily used for main power supply. It can be installed in cable ducts, in cable trunking, on cable trays and on cable ladders and in switchgears.
Voltage rating :	600/1000V
Construction :	Plain annealed copper, XLPE insulated, unarmoured or aluminum wires armoured, PVC sheathed cable
Insulation colour :	Natural
Sheath colour :	Black
Specification :	IEC60502-1

Conductor			Insulation	Unarmoured Cable		Armoured Cable	
Nominal Area	No./Dia. Of Strand	Max. Dia. Of Conductor	Thickness	Approx. Overall Dia.	Approx. Weight	Approx. Overall Dia.	Approx. Weight
mm ²	No./mm	mm	mm	mm	kg/km	mm	kg/km
1.5	7/0.53	1.59	0.7	5.9	50	-	-
2.5	7/0.67	2.01	0.7	6.3	62	-	-
4	7/0.85	2.55	0.7	6.9	81	-	-
6	7/1.04	3.12	0.7	7.3	100	-	-
10	7/1.35	4.05	0.7	8.4	150	-	-
16	7/1.70	5.10	0.7	9.4	200	-	-
25	7/2.14	6.42	0.9	11.3	310	16.5	470
35	19/1.53	7.65	0.9	12.6	420	17.8	581
50	19/1.78	8.90	1.0	14.1	550	20.5	800
70	19/2.14	10.70	1.1	16.1	770	23.0	1050
95	19/2.52	12.60	1.1	18.1	1040	24.8	1390
120	37/2.03	14.21	1.2	20.1	1300	26.3	1640
150	37/2.25	15.75	1.4	22.1	1580	28.7	1980
185	37/2.52	17.64	1.6	24.2	1970	30.8	2380
240	61/2.25	20.25	1.7	27.6	2520	34.0	3005
300	61/2.52	22.68	1.8	30.6	3150	37.5	3700
400	61/2.85	25.65	2.0	34.1	4000	42.0	4750
500	61/3.20	28.80	2.2	37.8	5000	46.0	5850
630	127/2.52	32.76	2.4	42.3	6500	51.0	7350
800	127/2.85	37.05	2.6	47.3	8200	57.0	9460
1000	127/3.20	41.60	2.8	52.3	10000	62.5	11700

Current rating and voltage drop

For Unarmoured Cable, please refer to Tables 4 & 5 (Page 51)

For Armoured Cable, please refer to Tables 6 & 7 (Page 52)

XLPE-Insulated Cables

600/1000V 2-Core ~ 4-Core
 XLPE Insulated, Unarmoured & Armoured, PVC Sheathed Cable
 CU/XLPE/PVC or CU/XLPE/PVC/SWA/PVC



Application :	This cable is primarily used for main power supply. It can be installed in cable ducts, in cable trunking, on cable trays, and on cable ladders.
Voltage rating :	600/1000V
Construction :	Plain annealed copper, XLPE insulated, unarmoured or galvanized steel wires armoured, PVC sheathed cable
Insulation colour :	2-Core: (Brown & Blue) 3-Core: (Brown, Black & Grey) 4-Core: (Brown, Black, Grey & Blue) or as per order
Sheath colour :	Black
Specification :	IEC60502-1

2-CORE

Conductor	Insulation	Unarmoured Cable		Armoured Cable	
		Approx. Overall Dia.	Approx. Weight	Approx. Overall Dia.	Approx. Weight
Nominal Area	Thickness				
mm ²	mm	mm	kg/km	mm	kg/km
1.5 (cs)	0.7	10.1	130	14.0	350
2.5 (cs)	0.7	11.0	160	14.8	410
4 (cs)	0.7	12.0	200	16.6	490
6 (cs)	0.7	13.1	260	17.5	580
10 (cs)	0.7	15.0	380	19.5	800
16 (cs)	0.7	17.2	530	22.5	1050
25 (s)	0.9	17.0	660	21.5	1270
35 (s)	0.9	18.5	870	24.5	1530
50 (s)	1.0	21.0	1140	26.0	1870
70 (s)	1.1	23.5	1570	29.5	2400
95 (s)	1.1	26.5	2120	33.5	3350
120 (s)	1.2	29.5	2640	36.5	4000
150 (s)	1.4	33.0	3250	39.5	4700
185 (s)	1.6	36.5	4050	44.5	6200
240 (s)	1.7	46.0	5300	53.0	7800
300 (s)	1.8	50.0	6590	58.0	9400
400 (s)	2.0	54.0	8370	62.0	11500

Current rating and voltage drop
 For Unarmoured Cable, please refer to Tables 2 & 3 (Page 50)
 For Armoured Cable, please refer to Tables 8 & 9 (Page 53)

(cs) : Circular Stranded
 (s) : Sector Shaped Stranded Conductors

XLPE-Insulated Cables



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600/1000V 2-Core ~ 4-Core
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CU/XLPE/PVC or CU/XLPE/PVC/SWA/PVC

3-CORE					
Conductor	Insulation	Unarmoured Cable		Armoured Cable	
Nominal Area	Thickness	Approx. Overall Dia.	Approx. Weight	Approx. Overall Dia.	Approx. Weight
mm ²	mm	mm	kg/km	mm	kg/km
1.5 (cs)	0.7	10.5	145	14.5	390
2.5 (cs)	0.7	11.3	190	15.5	435
4 (cs)	0.7	12.8	250	17.0	550
6 (cs)	0.7	13.9	320	18.5	660
10 (cs)	0.7	15.9	480	20.4	900
16 (cs)	0.7	18.1	700	23.4	1260
25 (s)	0.9	20.0	920	25.0	1630
35 (s)	0.9	22.0	1200	27.0	2000
50 (s)	1.0	26.0	1660	30.5	2500
70 (s)	1.1	28.0	2230	35.0	3600
95 (s)	1.1	32.0	3100	38.5	4600
120 (s)	1.2	35.5	3850	42.0	5500
150 (s)	1.4	40.0	4830	47.5	7000
185 (s)	1.6	44.0	6000	52.0	8460
240 (s)	1.7	53.5	7800	62.0	10550
300 (s)	1.8	60.0	9880	68.5	12530
400 (s)	2.0	65.5	12200	74.0	16520

4-CORE					
Conductor	Insulation	Unarmoured Cable		Armoured Cable	
Nominal Area	Thickness	Approx. Overall Dia.	Approx. Weight	Approx. Overall Dia.	Approx. Weight
mm ²	mm	mm	kg/km	mm	kg/km
1.5 (cs)	0.7	11.3	170	15.3	430
2.5 (cs)	0.7	12.3	225	17.0	520
4 (cs)	0.7	13.8	300	18.5	640
6 (cs)	0.7	15.2	390	19.8	740
10 (cs)	0.7	17.5	580	23.0	1030
16 (cs)	0.7	20.0	840	26.0	1650
25 (s)	0.9	22.0	1200	27.5	2000
35 (s)	0.9	25.5	1600	30.5	2500
50 (s)	1.0	27.5	2100	33.5	3100
70 (s)	1.1	34.0	3000	38.5	4500
95 (s)	1.1	36.5	4100	43.0	5700
120 (s)	1.2	41.0	5160	49.0	7460
150 (s)	1.4	46.5	6300	53.0	8800
185 (s)	1.6	51.5	8000	59.0	10800
240 (s)	1.7	58.5	10500	68.0	13600
300 (s)	1.8	64.0	13100	73.0	16200
400 (s)	2.0	73.0	16700	83.0	22200

Current rating and voltage drop
For Unarmoured Cable, please refer to Tables 2 & 3 (Page 50)
For Armoured Cable, please refer to Tables 8 & 9 (Page 53)

(cs) : Circular Stranded
(s) : Sector Shaped Stranded Conductors