

XLPE Insulated & PVC/LSHF Sheathed Cables to IEC 60502

(1) 600/1000V, Single-Core, XLPE Insulated, Unarmoured or Armoured, PVC or LSHF Sheathed to IEC 60502

Size of Conductor	Nominal Thickness of Insulation	Unarmoured Cable			Wire-Armoured Cable				
		Nominal Thickness of Sheath	Nominal Overall Dia.	Approx. Weight	Nominal Thickness of Bedding	Armour Wire Dia.	Nominal Thickness of Sheath	Nominal Overall Dia.	Approx. Weight
mm ²	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1.5	0.7	1.4	6.0	50					
2.5	0.7	1.4	6.5	70					
4	0.7	1.4	7.0	80					
6	0.7	1.4	7.5	110					
10	0.7	1.4	8.5	150					
16	0.7	1.4	9.5	215					
25	0.9	1.4	11.5	315					
35	0.9	1.4	12	415					
50	1.0	1.4	13	555	1.0	1.25	1.8	19.5	730
70	1.1	1.4	15	760	1.0	1.25	1.8	21.5	970
95	1.1	1.5	17	1025	1.0	1.6	1.8	24.0	1220
120	1.2	1.5	18.5	1270	1.0	1.6	1.8	25.5	1520
150	1.4	1.6	21.5	1575	1.0	1.6	1.8	27.5	1920
185	1.6	1.6	23	1955	1.0	1.6	1.8	30.0	2320
240	1.7	1.7	26	2470	1.0	1.6	1.9	33.0	2920
300	1.8	1.8	28	3155	1.0	1.6	1.9	35.0	3650
400	2.0	1.9	32	4049	1.2	2.0	2.1	40.5	4670
500	2.2	2.0	36	5100	1.2	2.0	2.2	44.5	5870
630	2.4	2.2	40	6410	1.2	2.0	2.3	49.0	7360
800	2.6	2.3	47	8200	1.4	2.5	2.5	55.5	9360
1000	2.8	2.4	52	10210	1.4	2.5	2.7	61.0	11350

(2) 600/1000V, 2-Core, XLPE Insulated, Unarmoured or Armoured, PVC or LSHF Sheathed to IEC 60502

Size of Conductor	Nominal Thickness of Insulation	Unarmoured Cable			Wire-Armoured Cable				
		Nominal Thickness of Sheath	Nominal Overall Dia.	Approx. Weight	Nominal Thickness of Bedding	Armour Wire Dia.	Nominal Thickness of Sheath	Nominal Overall Dia.	Approx. Weight
mm ²	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1.5	0.7	1.8	10.0	125	1.0	0.9	1.8	13.5	360
2.5	0.7	1.8	11.5	155	1.0	0.9	1.8	14.5	405
4	0.7	1.8	12.5	195	1.0	0.9	1.8	15.8	470
6	0.7	1.8	13.5	255	1.0	0.9	1.8	17.0	505
10	0.7	1.8	15.5	370	1.0	1.25	1.8	19.3	900
16	0.7	1.8	17.0	500	1.0	1.25	1.8	21.2	950
25	0.9	1.8	20.0	700	1.0	1.6	1.8	24.0	1205
35	0.9	1.8	22.0	900	1.0	1.6	1.8	24.8	1800
50	1.0	1.8	25.0	1250	1.0	1.6	1.8	26.0	1850
70	1.1	1.8	29.0	1600	1.0	2.0	2.0	29.0	2335
95	1.1	1.9	32.0	2250	1.2	2.0	2.1	33.2	3165
120	1.2	2.0	36.0	2750	1.2	2.0	2.3	36.1	3750
150	1.4	2.2	40.0	3510	1.2	2.5	2.3	39.3	4410
185	1.6	2.3	44.0	4200	1.3	2.5	2.5	44.8	5710
240	1.7	2.5	50.0	5500	1.4	2.5	2.7	53.5	7150
300	1.8	2.6	55.0	6950	1.5	2.5	2.9	58.0	8565
400	2.0	2.9	60.0	8400	1.6	2.5	3.1	63.0	10695

XLPE Insulated & PVC/LSHF Sheathed Cables to IEC 60502

(3) 600/1000V, Three-Core, XLPE Insulated, Unarmoured or Armoured, PVC or LSHF Sheathed to IEC 60502

Size of Conductor	Nominal Thickness of Insulation	Unarmoured Cable			Wire-Armoured Cable				
		Nominal Thickness of Sheath	Nominal Overall Dia.	Approx. Weight	Nominal Thickness of Bedding	Armour Wire Dia.	Nominal Thickness of Sheath	Nominal Overall Dia.	Approx. Weight
mm ²	mm	mm	mm	kg/km	mm	mm	mm	mm	kg/km
1.5	0.7	1.8	10.5	150	1.2	0.8	1.8	15.0	380
2.5	0.7	1.8	11.0	190	1.2	0.8	1.8	15.5	400
4	0.7	1.8	12.5	250	1.2	0.8	1.8	16.5	460
6	0.7	1.8	14.5	320	1.2	0.8	1.8	18.0	540
10	0.7	1.8	15.5	465	1.2	0.8	1.8	19.5	750
16	0.7	1.8	18.5	670	1.2	1.25	1.8	22.5	1000
25	0.9	1.8	19.5	965	1.2	1.6	1.8	26.0	1510
35	0.9	1.8	22.0	1290	1.2	1.6	1.8	28.0	1950
50	1.0	1.8	26.0	1750	1.2	1.6	1.9	32.0	2350
70	1.1	1.9	28.5	2450	1.2	2.0	2.0	35.0	3230
95	1.1	2.0	32.5	3200	1.2	2.0	2.1	39.0	4050
120	1.2	2.1	35.5	4010	1.2	2.0	2.3	43.0	5230
150	1.4	2.3	40.0	5050	1.4	2.5	2.4	47.0	6750
185	1.6	2.4	44.5	6105	1.4	2.5	2.6	52.0	8230
240	1.7	2.6	54.0	8050	1.5	2.5	2.7	59.0	10510
300	1.8	2.7	60.5	9998	1.6	2.5	2.9	64.0	13210
400	2.0	3.0	66.0	13210	1.6	2.5	3.2	74.0	16100

(4) 600/1000V, Four-Core, XLPE Insulated, Unarmoured or Armoured, PVC or LSHF Sheathed to IEC 60502

Size of Conductor	Nominal Thickness of Insulation	Unarmoured Cable			Wire-Armoured Cable				
		Nominal Thickness of Sheath	Nominal Overall Dia.	Approx. Weight	Nominal Thickness of Bedding	Armour Wire Dia.	Nominal Thickness of Sheath	Nominal Overall Dia.	Approx. Weight
mm ²	mm	mm	mm	kg/km	mm	mm	mm	mm	kg/km
1.5	0.7	1.8	11.0	170	1.0	0.8	1.8	15.0	415
2.5	0.7	1.8	12.0	230	1.0	0.8	1.8	17.5	490
4	0.7	1.8	14.0	305	1.0	0.8	1.8	19.0	600
6	0.7	1.8	15.5	400	1.0	0.8	1.8	20.0	730
10	0.7	1.8	18.0	585	1.0	1.25	1.8	23.0	970
16	0.7	1.8	20.0	835	1.0	1.6	1.8	26.0	1520
25	0.9	1.8	22.0	1210	1.0	1.6	1.8	29.0	2010
35	0.9	1.8	24.5	1670	1.0	1.6	1.9	31.0	2560
50	1.0	1.8	26.5	2250	1.0	1.6	2.1	36.0	3350
70	1.1	2.0	32.0	3015	1.2	2.0	2.2	40.0	4680
95	1.1	2.1	36.5	4085	1.2	2.0	2.4	44.0	5710
120	1.2	2.3	40.5	5320	1.4	2.5	2.5	50.0	7500
150	1.4	2.4	44.5	6510	1.4	2.5	2.6	55.0	9010
185	1.6	2.6	51.0	8050	1.4	2.5	2.8	61.0	10820
240	1.7	2.8	58.5	10520	1.6	2.5	3.1	69.0	13630
300	1.8	3.0	64.5	13130	1.6	2.5	3.2	75.0	16820
400	2.0	3.3	73.5	16850	1.8	3.15	3.4	83.0	22230

XLPE Insulated & PVC/LSHF Sheathed Cables to IEC 60502

(5) 600/1000V, Four-Core with Reduced Neutral, XLPE Insulated & PVC Sheathed Cables to IEC 60502

Conductor Size		Nominal Thickness of Insulation		Unarmoured Cable			Steel Wire-Armoured (SWA) Cable				
				Nominal Thickness of Sheath	Nominal Overall Diameter	Approx. Weight	Nominal Thickness of Bedding	Armour Wire Dia.	Nominal Thickness of Sheath	Nominal Overall Diameter	Approx. Weight
Phase	Neutral	Phase	Neutral	mm	mm	kg/km	mm	mm	mm	mm	kg/km
mm ²	mm ²	mm	mm	mm	mm	kg/km	mm	mm	mm	mm	kg/km
16	10	0.7	0.7	1.8	20.0	825	1.0	1.6	1.8	25.5	1550
25	16	0.9	0.7	1.8	22.8	1235	1.0	1.6	1.8	27.5	2010
35	16	0.9	0.7	1.8	24.8	1565	1.0	1.6	1.8	29.0	2375
50	25	1.0	0.9	1.8	28.5	2220	1.0	1.6	2.0	33.0	3100
70	35	1.1	0.9	1.9	32.0	2925	1.2	2.0	2.1	38.0	4290
95	50	1.1	1.0	2.1	37.5	3525	1.2	2.0	2.3	43.5	5540
120	70	1.2	1.1	2.2	41.5	4940	1.2	2.0	2.4	49.0	7150
150	70	1.4	1.1	2.3	45.0	6250	1.4	2.5	2.5	52.0	8330
185	95	1.6	1.1	2.5	50.5	7450	1.4	2.5	2.7	57.2	10110
240	120	1.7	1.2	2.6	56.0	9500	1.6	2.5	3.0	64.0	12740
300	150	1.8	1.4	2.8	64.5	12100	1.6	2.5	3.0	69.8	15430
400	185	2.0	1.6	3.1	70.0	18900	1.6	3.15	3.3	78.6	19990

