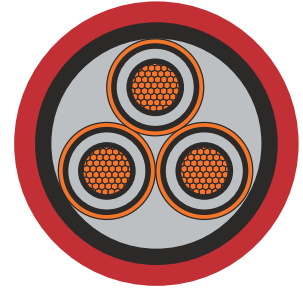


Three Core Cable

For Installations outdoor in ground, in ducts and indoor on trays.

Type	: CU/XLPE/PVC, 3.6/6 KV
Standard	: IEC 60502-2
Conductor	: Circular stranded Compacted copper (or Aluminum)
Conductor Screen	: Bonded semiconducting material
Insulation	: XLPE material
Insulation Screen	: Strippable semiconducting material (or Bonded)
Metallic Screen	: Copper tape (or copper wires)
Bedding	: PVC compound (or LSHF or PE)
Jacketing	: PVC compound (or LSHF or PE)



TECHNICAL INFORMATION

1. Weight and Dimension Data

Nominal Cross Section	Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Cable Weight
n x mm ²	mm	mm	mm	kg/km
3x25	2.5	2.1	39.2	1955
3x35	2.5	2.2	42.2	2365
3x50	2.5	2.3	45.0	2891
3x70	2.5	2.4	48.9	3655
3x95	2.5	2.5	52.5	4590
3x120	2.5	2.6	56.4	5490
3x150	2.5	2.7	60.0	6466
3x185	2.5	2.8	64.0	7646
3x240	2.6	3.0	69.7	9645
3x300	2.8	3.2	75.7	11810
3x500	3.0	3.5	83.5	14665
	3.2	3.7	90.5	17900

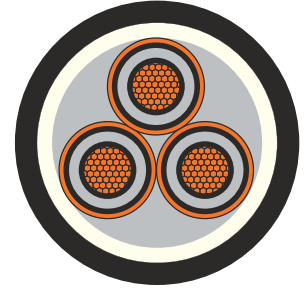
2. Electrical Data

Cross section Area	mm ²	16	25	35	50	70	95	120	150	185	240	300	400	500
Screen Area	mm ²	16	16	16	16	16	16	16	25	25	25	25	35	35
DC Resist at 20 °C	Ω/km	1.150	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	0.0366
Ac Resist at 90 °C	Ω/km	1.466	0.927	0.668	0.494	0.342	0.247	0.196	0.160	0.1290	0.099	0.0812	0.0657	0.538
Inductance	mh/km	0.422	0.902	0.379	0.422	0.330	0.310	0.300	0.290	0.280	0.270	0.266	0.261	0.256
Capacitance	μF/km	0.241	0.269	0.306	0.337	0.385	0.430	0.472	0.514	0.558	0.606	0.617	0.646	0.672
Charging current	A/km	0.314	0.365	0.415	0.457	0.522	0.583	0.640	0.697	0.758	0.823	0.838	0.876	0.912
Dielectric losses	W/m	0.010	0.011	0.012	0.013	0.015	0.017	0.018	0.020	0.022	0.024	0.024	0.025	0.026
Current Ampacity														
Cable in ground	A	115	160	191	224	255	300	340	385	435	495	555	625	700
Cable in free air	A	120	172	203	235	275	335	390	445	510	580	665	760	890
Short circuit current														
Conductor S.C (1 Sec)	KA	2.3	3.57	5.0	7.15	10.0	13.5	17.17	21.4	26.4	34.4	42.9	57.2	71.5
Screen S.C (1 Sec)	KA	2.29	2.29	2.29	2.29	2.29	2.29	2.29	3.58	3.58	3.58	3.58	5.07	5.07

Three Core Cable

For Installations outdoor in ground, in ducts and indoor on trays.

Type	: CU/XLPE/PVC,6/10 KV
Standard	: IEC 60502-2
Conductor	: Circular stranded Compacted copper (or Aluminum)
Conductor Screen	: Bonded semiconducting material
Insulation	: XLPE material
Insulation Screen	: Strippable semiconducting material (or Bonded)
Metallic Screen	: Copper tape (or copper wires)
Bedding	: PVC compound (or LSHF or PE)
Jacketing	: PVC compound (or LSHF or PE)



TECHNICAL INFORMATION

1. Weight and Dimension Data

Nominal Cross Section	Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Cable Weight
n x mm ²	mm	mm	mm	kg/km
3x16	3.4	2.2	41.0	1815
3x25	3.4	2.2	43.1	2220
3x35	3.4	2.3	46.5	2695
3x50	3.4	2.4	49.1	3195
3x70	3.4	2.5	53.0	3980
3x95	3.4	2.7	57.2	5020
3x120	3.4	2.8	60.7	5885
3x150	3.4	2.9	64.1	6885
3x185	3.4	3.0	67.8	8080
3x240	3.4	3.1	73.8	10120
3x300	3.4	3.3	78.5	12135
3x400	3.4	3.5	85.0	14875
3x500	3.4	3.7	91.6	18020

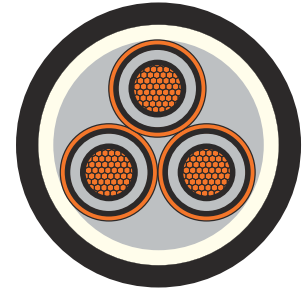
2. Electrical Data

	mm ²	16	25	35	50	70	95	120	150	185	240	300	400	500
Cross section Area	mm ²	16	25	35	50	70	95	120	150	185	240	300	400	500
Screen Area	mm ²	16	16	16	16	16	16	16	25	25	25	25	35	35
DC Resist at 20 °C	Ω/km	1.150	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	0.0366
Ac Resist at 90 °C	Ω/km	1.466	0.927	0.668	0.494	0.342	0.247	0.196	0.160	0.1291	0.099	0.0814	0.0659	0.543
Inductance	mh/km	0.447	0.413	0.387	0.362	0.341	0.325	0.312	0.302	0.300	0.280	0.274	0.265	0.259
Capacitance	μF/km	0.192	0.213	0.240	0.264	0.299	0.332	0.363	0.394	0.427	0.479	0.520	0.577	0.636
Charging current	A/km	0.314	0.482	0.544	0.596	0.676	0.751	0.822	0.892	0.966	1.083	1.176	1.306	1.439
Dielectric losses	W/m	0.019	0.023	0.026	0.029	0.032	0.036	0.039	0.043	0.046	0.052	0.056	0.063	0.069
Current Ampacity														
Cable in ground	A	115	161	180	210	253	302	340	387	430	493	555	628	700
Cable in free air	A	120	173	199	230	275	335	390	447	505	578	665	758	890
Short circuit current														
Conductor S.C (1 Sec)	KA	2.3	3.57	5.0	7.15	10.0	13.5	17.17	21.4	26.4	34.4	42.9	57.2	71.5
Screen S.C (1 Sec)	KA	2.29	2.29	2.29	2.29	2.29	2.29	2.29	3.58	3.58	3.58	3.58	5.07	5.07

Three Core Cable

For Installations outdoor in ground, in ducts and indoor on trays.

Type	: CU/XLPE/PVC, 12/20 KV
Standard	: IEC 60502-2
Conductor	: Circular stranded Compacted copper (or Aluminum)
Conductor Screen	: Bonded semiconducting material
Insulation	: XLPE material
Insulation Screen	: Strippable semiconducting material (or Bonded)
Metallic Screen	: Copper tape (or Copper Wire)
Jacketing	: PVC compound (or LSHF or PE)



TECHNICAL INFORMATION

1. Weight and Dimension Data



Nominal Cross Section	Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Cable Weight
n x mm ²	mm	mm	mm	kg/km
3x35	5.5	2.6	56.6	3525
3x50	5.5	2.7	59.2	4060
3x70	5.5	2.8	63	4895
3x95	5.5	3.0	66.49	5940
3x120	5.5	3.1	70.3	6845
3x150	5.5	3.2	74.2	7970
3x185	5.5	3.3	77.8	9215
3x240	5.5	3.5	83.6	11290
3x300	5.5	3.6	88.1	13330
3x400	5.5	3.9	95	16260

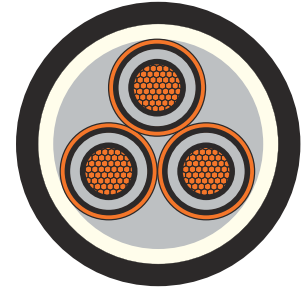
2. Electrical Data

	mm ²	35	50	70	95	120	150	185	240	300	400
Cross section Area	mm ²	35	50	70	95	120	150	185	240	300	400
Screen Area	mm ²	16	16	16	16	16	25	25	25	25	35
DC Resist at 20 °C	Ω/km	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470
Ac Resist at 90 °C	Ω/km	0.668	0.402	0.342	0.247	0.196	0.160	0.1286	0.0993	0.0806	0.0652
Inductance	mH/km	0.429	0.410	0.378	0.361	0.344	0.323	0.323	0.308	0.299	0.289
Capacitance	μF/km	0.170	0.185	0.207	0.228	0.247	0.267	0.287	0.319	0.345	0.381
Charging current	A/km	0.769	0.835	0.936	1.031	1.119	1.207	1.300	1.445	1.561	1.723
Dielectric losses	W/m	0.074	0.080	0.090	0.099	0.107	0.116	0.125	0.139	0.150	0.165
Current Ampacity											
Cable in ground	A	175	205	250	300	340	380	425	490	555	625
Cable in free air	A	195	240	285	350	395	450	510	600	680	775
Short circuit current											
Conductor S.C (1 Sec)	KA	5.0	7.15	10.0	13.5	17.1	21.4	26.4	34.4	42.9	57.2
Screen S.C (1 Sec)	KA	2.29	2.29	2.29	2.29	2.29	3.58	3.58	3.58	3.58	5.07

Three Core Cable

For Installations outdoor in ground, in ducts and indoor on trays.

Type	: CU/XLPE/PVC, 8.7/15 KV
Standard	: IEC 60502-2
Conductor	: Circular stranded Compacted copper (or Aluminum)
Conductor Screen	: Bonded semiconducting material
Insulation	: XLPE material
Insulation Screen	: Strippable semiconducting material (or Bonded)
Metallic Screen	: Copper Tape (or Copper Tape)
Bedding	: PVC compound (or LSHF or PE)
Jacketing	: PVC compound (or LSHF or PE)



TECHNICAL INFORMATION

1. Weight and Dimension Data



Nominal Cross Section	Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Cable Weight
n x mm ²	mm	mm	mm	kg/km
3x25	4.5	2.4	48.7	2640
3x35	4.5	2.5	51.7	3095
3x50	4.5	2.6	54.2	3610
3x70	4.5	2.7	58.5	4480
3x95	4.5	2.8	62.2	5470
3x120	4.5	2.9	65.6	6350
3x150	4.5	3.0	69	7375
3x185	4.5	3.1	73.1	8670
3x240	4.5	3.3	78.9	10710
3x300	4.5	3.5	83.6	12760
3x400	4.5	3.7	90.1	15555
3x500	4.5	3.9	97.1	18835

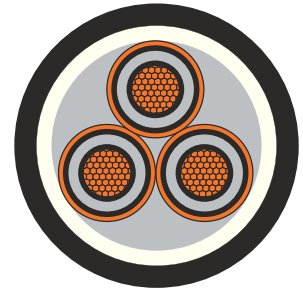
2. Electrical Data

Cross section Area	mm ²	25	35	50	70	95	120	150	185	240	300	400	500
Screen Area	mm ²	16	16	16	16	16	16	25	25	25	25	35	35
DC Resist at 20 °C	Ω/km	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	0.0366
Ac Resist at 90 °C	Ω/km	0.927	0.668	0.494	0.342	0.247	0.196	0.160	0.1288	0.0995	0.0810	0.0655	0.0538
Inductance	mh/km	0.438	0.411	0.384	0.360	0.345	0.330	0.319	0.309	0.296	0.287	0.278	0.270
Capacitance	μF/km	0.175	0.196	0.213	0.240	0.266	0.289	0.313	0.338	0.377	0.408	0.452	0.496
Charging current	A/km	0.572	0.641	0.699	0.788	0.871	0.949	1.026	1.108	1.236	1.339	1.481	1.628
Dielectric losses	W/m	0.040	0.045	0.049	0.055	0.061	0.066	0.071	0.077	0.086	0.093	0.103	0.113
Current Ampacity Cable in ground	A	148	175	205	250	300	340	380	425	493	555	630	695
Cable in free air	A	160	195	230	280	340	390	440	505	585	665	765	885
Short circuit current Conductor S.C (1 Sec)	KA	3.57	5.0	7.15	10.0	13.5	17.1	21.4	26.4	34.4	42.9	57.2	71.5
Screen S.C (1 Sec)	KA	2.29	2.29	2.29	2.29	2.29	2.29	3.58	3.58	3.58	3.58	5.07	5.07

Three Core Cable

For Installations outdoor in ground, in ducts and indoor on trays.

Type	: CU/XLPE/PVC, 18/30 KV
Standard	: IEC 60502-2
Conductor	: Circular stranded Compacted copper (or Aluminum)
Conductor Screen	: Bonded semiconducting material
Insulation	: XLPE material
Insulation Screen	: Strippable semiconducting material (or Bonded)
Metallic Screen	: Copper tape (or Copper Wire)
Bedding	: PVC compound (or LSHF or PE)
Jacketing	: PVC compound (or LSHF or PE)



TECHNICAL INFORMATION

1. Weight and Dimension Data



Nominal Crosss Section	Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Cable Weight
n x mm ²	mm	mm	mm	kg/km
3x35	8.0	3.0	68.2	4635
3x50	8.0	3.1	70.8	5215
3x70	8.0	3.2	75	6185
3x95	8.0	3.3	78.7	7260
3x120	8.0	3.5	82.3	8260
3x150	8.0	3.6	85.8	9370
3x185	8.0	3.7	89.4	10670
3x240	8.0	3.8	95	12790
3x300	8.0	4.0	100.1	15055

2. Electrical Data

	mm ²	35	50	70	95	120	150	185	240	300
Cross section Area	mm ²	35	50	70	95	120	150	185	240	300
Screen Area	mm ²	16	16	16	16	16	25	25	25	25
DC Resist at 20 °C	Ω/km	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
Ac Resist at 90 °C	Ω/km	0.668	0.494	0.342	0.247	0.196	0.159	0.1286	0.0993	0.0806
Inductance	mh/km	0.470	0.441	0.423	0.404	0.389	0.376	0.364	0.348	0.338
Capacitance	μF/km	0.133	0.143	0.159	0.174	0.188	0.201	0.216	0.238	0.256
Charging current	A/km	0.903	0.974	1.081	1.181	1.274	1.366	1.464	1.616	1.737
Dielectric losses	W/m	0.130	0.140	0.156	0.170	0.183	0.197	0.211	0.233	0.250
Current Ampacity										
Cable in ground	Amp.	177	205	252	302	340	380	429	494	555
Cable in free air	Amp.	200	240	290	360	405	455	520	610	690
Short circuit current										
Conductor S.C (1 Sec)	KA	5.0	7.15	10.0	13.5	17.1	21.4	26.4	3.44	42.9
Screen S.C (1 Sec)	KA	2.29	2.29	2.29	2.29	2.29	3.58	3.58	3.58	3.58