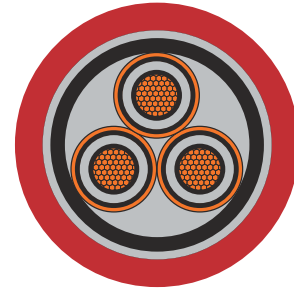


## Three Core Cable

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

Type	: CU/XLPE/STA/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)
Armoring	: Galvanized steel tape
Jacketing	: PVC compound (or LSHF or PE)



## TECHNICAL INFORMATION

### 1. Weight and Dimension Data

Nominal Cross Section	Nominal Insulation Thickness	Steel Wire Diameter	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Cable Weight
n x mm <sup>2</sup>	mm	mm	mm	mm	kg/km
3x16	2.5	0.5	2.1	39.4	2100
3x25	2.5	0.5	2.2	41.2	2585
3x35	2.5	0.5	2.2	44.0	3025
3x50	2.5	0.5	2.3	47.0	4460
3x70	2.5	0.5	2.5	51.1	5455
3x95	2.5	0.5	2.6	54.7	6420
3x120	2.5	0.5	2.7	58.6	7455
3x150	2.5	0.5	2.8	62.0	8695
3x185	2.5	0.5	2.9	66.0	9426
3x240	2.6	0.5	3.1	71.7	10805
3x300	2.8	0.5	3.3	77.9	13075
3x400	3.0	0.8	3.6	87.3	16570
3x500	3.2	0.8	3.8	95.1	19900



### 2. Electrical Data

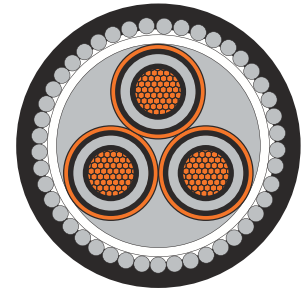
	mm <sup>2</sup>	16	25	35	50	70	95	120	150	185	240	300	400	500
Cross section Area	mm <sup>2</sup>	16	25	35	50	70	95	120	150	185	240	300	400	500
Screen Area	mm <sup>2</sup>	16	16	16	16	16	16	16	25	25	25	25	35	35
DC Resist at 20 °C	Ω/km	1.150	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	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	0.400	0.366	0.342	0.323	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	114	157	187	219	248	297	336	379	425	485	540	612	680
Cable in free air	A	120	170	198	230	281	335	390	445	495	575	650	745	860
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

Medium Voltage Cables

## Three Core Cable

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

Type	: CU/XLPE/SWA/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 wire)
Armoring	: Galvanized Steel Wire
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	Steel Wire Diameter	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Cable Weight
n x mm <sup>2</sup>	mm	mm	mm	mm	kg/km
3x16	2.5	2.00	2.2	41.0	2960
3x25	2.5	2.00	2.3	43.5	3410
3x35	2.5	2.50	2.3	46.5	3935
3x50	2.5	2.50	2.5	50.5	5045
3x70	2.5	2.50	2.6	54.5	5985
3x95	2.5	2.50	2.8	57.9	7090
3x120	2.5	2.50	2.8	65	8170
3x150	2.5	2.50	2.9	65.5	9280
3x185	2.5	2.50	3.1	70	10365
3x240	2.6	3.15	3.2	75.5	12945
3x300	2.8	3.15	3.5	83.5	16500
3x400	3.0	3.15	3.7	90.5	19865
3x500	3.2	3.15	4.0	98.5	23200

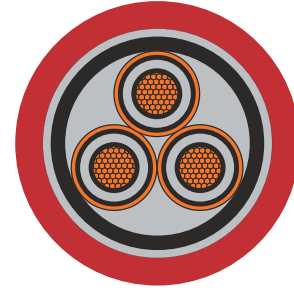
### 2. Electrical Data

Cross section Area	mm <sup>2</sup>	16	25	35	50	70	95	120	150	185	240	300	400	500
Screen Area	mm <sup>2</sup>	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	0.400	0.366	0.342	0.323	0.309	0.296	0.288	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	114	158	188	220	249	298	337	380	426	485	541	613	681
Cable in free air	A	120	172	199	230	282	336	392	447	495	576	650	746	862
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/STA/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 wire)
Bedding	: PVC compound (or LSHF or PE)
Armoring	: Galvanized steel tape
Jacketing	: PVC compound (or LSHF or PE)



## TECHNICAL INFORMATION

### 1. Weight and Dimension Data

Nominal Cross Section	Nominal Insulation Thickness	Steel Wire Diameter	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Cable Weight
n x mm <sup>2</sup>	mm	mm	mm	mm	kg/km
3x16	3.4	0.5	2.3	43	2430
3x25	3.4	0.5	2.4	45.3	2920
3x35	3.4	0.5	2.4	48.7	3456
3x50	3.4	0.5	2.5	51.3	4000
3x70	3.4	0.5	2.6	55.2	4850
3x95	3.4	0.5	2.7	59.2	5935
3x120	3.4	0.5	2.8	62.7	6860
3x150	3.4	0.5	2.9	66	7910
3x185	3.4	0.5	3.1	69.8	9170
3x240	3.4	0.5	3.2	76	11350
3x300	3.4	0.5	3.4	80.7	13450
3x400	3.4	0.5	3.6	88.3	17090
3x500	3.4	0.5	3.8	95	20415



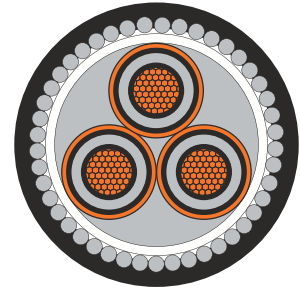
### 2. Electrical Data

	mm <sup>2</sup>	16	25	35	50	70	95	120	150	185	240	300	400	500
Cross section Area	mm <sup>2</sup>	16	25	35	50	70	95	120	150	185	240	300	400	500
Screen Area	mm <sup>2</sup>	16	16	16	16	16	16	16	25	25	25	25	358	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	0.326	0.312	0.302	0.300	0.281	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	0.569	0.482	0.544	0.596	0.676	0.751	0.822	0.892	0.966	1.038	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	0.054	0.056	0.063	0.069
Current Ampacity														
Cable in ground	A	115	159	175	205	250	295	335	380	420	482	540	612	682
Cable in free air	A	125	172	195	232	232	340	390	446	495	570	650	745	863
Short circuit current														
Conductor S.C (1 Sec)	KA	2.3	3.57	5.0	7.15	10.0	13.5	17.11	21.4	26.4	34.3	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 and ducts, and indoor on trays, in walls, and in ducts.

Type	: CU/XLPE/SWA/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 wire)
Bedding	: PVC compound (or LSHF or PE)
Armoring	: Galvanized steel wires
Jacketing	: PVC compound (or LSHF or PE)



## TECHNICAL INFORMATION

### 1. Weight and Dimension Data



Nominal Cross Section	Nominal Insulation Thickness	Steel Wire Diameter	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Cable Weight
n x mm <sup>2</sup>	mm	mm	mm	mm	kg/km
3x16	3.4	2.00	2.4	45.0	3400
3x25	3.4	2.00	2.4	48.5	4280
3x35	3.4	2.50	2.6	51.9	4890
3x50	3.4	2.50	2.7	54.5	5520
3x70	3.4	2.50	2.8	58.4	6480
3x95	3.4	2.50	2.8	62.4	7670
3x120	3.4	2.50	2.9	65.9	8715
3x150	3.4	2.50	3.0	70.0	9880
3x185	3.4	2.50	3.2	73.2	11295
3x240	3.4	3.15	3.4	81.7	14825
3x300	3.4	3.15	3.6	86.4	17080
3x400	3.4	3.15	3.8	92.8	20255
3x500	3.4	3.15	4.0	99.1	23779

### 2. Electrical Data

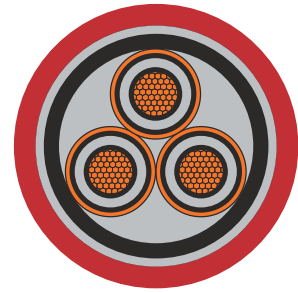
Cross section Area	mm <sup>2</sup>	16	25	35	50	70	95	120	150	185	240	300	400	500
Screen Area	mm <sup>2</sup>	16	16	16	16	16	16	16	25	25	25	25	358	35
DC Resist at 20 °C	Ω/km	1.150	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	0.0366
Ac Resist at 90 °C	Ω/km	1.466	0.927	0.668	0.494	0.342	0.247	0.196	0.160	0.1290	0.0999	0.0814	0.0659	0.0543
Inductance	mh/km	0.447	0.413	0.387	0.362	0.341	0.326	0.312	0.302	0.294	0.281	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	160	175	205	245	295	330	375	418	470	525	590	640
Cable in free air	A	125	172	199	230	285	336	392	445	487	568	635	735	820
Short circuit current														
Conductor S.C (1 Sec)	KA	2.3	3.57	5.0	7.15	10.0	13.5	17.11	21.4	26.4	34.3	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/STA/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
Bedding	: PVC compound ( or LSHF or PE)
Armoring	: Galvanized Steel Tape
Jacketing	: PVC compound (or LSHF or PE)



## TECHNICAL INFORMATION

### 1. Weight and Dimension Data

Nominal Cross Section	Nominal Insulation Thickness	Steel Wire Diameter	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Cable Weight
n x mm <sup>2</sup>	mm	mm	mm	mm	kg/km
3x25	4.5	0.5	2.5	50.9	3440
3x35	4.5	0.5	2.6	53.19	3945
3x50	4.5	0.5	2.7	56.4	4500
3x70	4.5	0.5	2.8	60.7	5450
3x95	4.5	0.5	2.9	64.4	6500
3x120	4.5	0.5	3.0	67.8	7440
3x150	4.5	0.5	3.1	71.2	8525
3x185	4.5	0.5	3.2	75.3	9890
3x240	4.5	0.5	3.4	81.1	12030
3x300	4.5	0.8	3.6	87	14945
3x400	4.5	0.8	3.8	93.5	17910
3x500	4.5	0.8	4.0	100.5	21385



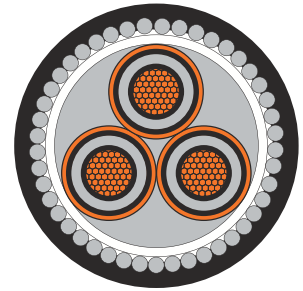
### 2. Electrical Data

	mm <sup>2</sup>	25	35	50	70	95	120	150	185	240	300	400	500
Cross section Area	mm <sup>2</sup>												
Screen Area	mm <sup>2</sup>	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	A	146	175	205	245	295	330	370	415	482	540	610	675
Cable in ground	A	160	195	232	285	345	395	450	500	590	660	750	860
Cable in free air													
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/SWA/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
Bedding	: PVC compound ( or LSHF or PE)
Armoring	: Galvanized Steel Wires ( or Steel Tape)
Jacketing	: PVC compound (or LSHF or PE)



## TECHNICAL INFORMATION

### 1. Weight and Dimension Data



Nominal Cross Section	Nominal Insulation Thickness	Steel Wire Diameter	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Cable Weight
n x mm <sup>2</sup>	mm	mm	mm	mm	kg/km
3x25	4.5	2.50	2.6	54.1	4930
3x35	4.5	2.50	2.7	57.1	5555
3x50	4.5	2.50	2.8	59.6	6160
3x70	4.5	2.50	2.9	63.9	7250
3x95	4.5	2.50	3	67.6	8415
3x120	4.5	2.50	3.1	71.	9435
3x150	4.5	3.15	3.2	74.4	10635
3x185	4.5	3.15	3.4	81	13310
3x240	4.5	3.15	3.6	86.8	15720
3x300	4.5	3.15	3.7	91.3	18025
3x400	4.5	3.15	4.0	98.0	21245
3x500	4.5	3.15	4.1	104.8	24915

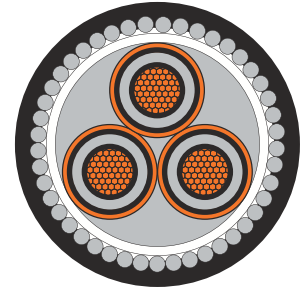
### 2. Electrical Data

	mm <sup>2</sup>	25	35	50	70	95	120	150	185	240	300	400	500
Cross section Area	mm <sup>2</sup>	25	35	50	70	95	120	150	185	240	300	400	500
Screen Area	mm <sup>2</sup>	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	160	175	205	245	295	333	370	415	470	525	690	640
Cable in free air	A	172	199	235	285	345	395	445	505	570	635	735	820
Short circuit current													
Conductor S.C (1 Sec)	KA	5	5.0	7.15	10.0	13.5	17.1	21.4	26.47	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/SWA/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 Wires)
Bedding	: PVC compound (or LSHF or PE)
Armoring	: Galvanized steel wires
Jacketing	: PVC compound (or LSHF or PE)



## TECHNICAL INFORMATION

### 1. Weight and Dimension Data

Nominal Cross Section	Nominal Insulation Thickness	Steel Wire Diameter	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Cable Weight
n x mm <sup>2</sup>	mm	mm	mm	mm	kg/km
3x35	5.5	2.50	2.8	62.0	6205
3x50	5.5	2.50	3.0	64.6	6875
3x70	5.5	2.50	3.0	68.4	7885
3x95	5.5	2.50	3.1	72.1	9075
3x120	5.5	2.50	3.3	75.7	10150
3x150	5.5	3.15	3.4	81.9	12640
3x185	5.5	3.15	3.6	85.7	14150
3x240	5.5	3.15	3.7	91.3	16550
3x300	5.5	3.15	3.8	96.9	18875
3x400	5.5	3.15	4.1	102.9	22250

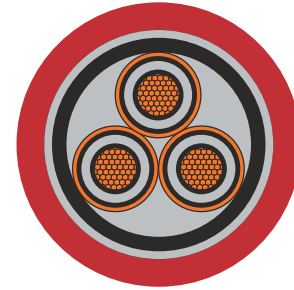
### 2. Electrical Data

Cross section Area	mm <sup>2</sup>	35	50	70	95	120	150	185	240	300	400
Screen Area	mm <sup>2</sup>	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	0.494	0.342	0.247	0.196	0.159	0.1286	0.0992	0.0806	0.0652
Inductance	mh/km	0.430	0.402	0.378	0.361	0.350	0.333	0.323	0.308	0.300	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	Amp.	175	205	245	295	330	370	410	470	520	585
Cable in free air	Amp.	200	235	290	350	400	450	500	590	660	725
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/STA/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 Wires)
Bedding	: PVC compound (or LSHF or PE)
Armoring	: Galvanized steel tape
Jacketing	: PVC compound (or LSHF or PE)



## TECHNICAL INFORMATION

### 1. Weight and Dimension Data

Nominal Cross Section	Nominal Insulation Thickness	Steel Wire Diameter	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Cable Weight
n x mm <sup>2</sup>	mm	mm	mm	mm	kg/km
3x35	5.5	0.5	2.7	58.8	4460
3x50	5.5	0.5	2.8	61.4	5040
3x70	5.5	0.5	2.9	65.2	5940
3x95	5.5	0.5	3.0	68.9	7020
3x120	5.5	0.5	3.1	72.3	7980
3x150	5.5	0.5	3.3	76.4	9210
3x185	5.5	0.5	3.4	80	10515
3x240	5.5	0.5	3.6	87	13470
3x300	5.5	0.5	3.7	91.5	15640
3x400	5.5	0.5	4.0	98.6	18805



### 2. Electrical Data

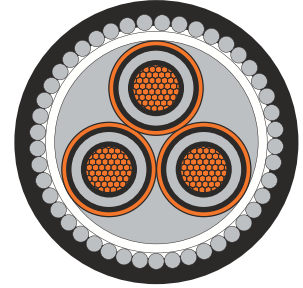
	mm <sup>2</sup>	35	50	70	95	120	150	185	240	300	400
Cross section Area	mm <sup>2</sup>	16	16	16	16	16	25	25	25	25	35
Screen Area	mm <sup>2</sup>	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470
DC Resist at 20 °C	Ω/km	0.668	0.494	0.342	0.247	0.196	0.160	0.1286	0.0992	0.0806	0.0652
Ac Resist at 90 °C	Ω/km	0.429	0.402	0.378	0.361	0.350	0.333	0.323	0.308	0.300	0.289
Inductance	mh/km	0.170	0.185	0.207	0.228	0.247	0.267	0.287	0.319	0.345	0.381
Capacitance	μF/km	0.769	0.835	0.936	1.031	1.119	1.207	1.300	1.445	1.561	1.723
Charging current	A/km	0.074	0.080	0.090	0.099	0.107	0.116	0.125	0.139	0.150	0.165
Dielectric losses	W/m										
Current Ampacity											
Cable in ground	A	175	205	245	295	330	370	415	485	540	610
Cable in free air	A	195	240	285	350	395	450	500	590	685	750
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/SWA/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)
Armoring	: Galvanized steel wires
Jacketing	: PVC compound (or LSHF or PE)



## TECHNICAL INFORMATION

### 1. Weight and Dimension Data

Nominal Cross Section	Nominal Insulation Thickness	Steel Wire Diameter	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Cable Weight
n x mm <sup>2</sup>	mm	mm	mm	mm	kg/km
3x35	8.0	2.50	3.2	73.6	7852
3x50	8.0	3.15	3.4	78.7	9710
3x70	8.0	3.15	3.5	82.9	10905
3x95	8.0	3.15	3.6	86.6	12270
3x120	8.0	3.15	3.7	90	13385
3x150	8.0	3.15	3.8	93.5	14715
3x185	8.0	3.15	3.9	97.1	16235
3x240	8.0	3.15	4.1	102.9	18780
3x300	8.0	3.15	4.2	107.8	21290



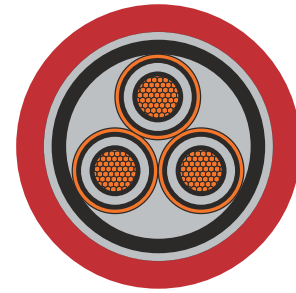
### 2. Electrical Data

	mm <sup>2</sup>	35	50	70	95	120	150	185	240	300
Cross section Area	mm <sup>2</sup>	35	50	70	95	120	150	185	240	300
Screen Area	mm <sup>2</sup>	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	0.449	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	A	174	204	245	295	330	370	420	470	520
Cable in free air	A	200	235	290	350	400	488	500	585	655
Short circuit current										
Conductor S.C (1 Sec)	KA	5.0	7.15	10.0	13.5	17.1	21.4	26.4	3.4	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

## Three Core Cable

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

Type	: CU/XLPE/STA/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
Metallic Screen	: Copper tape (or Copper Wire)
Bedding	: PVC compound (or LSHF or PE)
Armoring	: Galvanized steel tapes (or Steel Wire)
Jacketing	: PVC compound (or LSHF or PE)



## TECHNICAL INFORMATION

### 1. Weight and Dimension Data

Nominal Cross Section	Nominal Insulation Thickness	Steel Wire Diameter	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Cable Weight
n x mm <sup>2</sup>	mm	mm	mm	mm	kg/km
3x35	8.0	0.5	3.1	70.4	5770
3x50	8.0	0.5	3.2	73	6395
3x70	8.0	0.5	3.3	77.2	7440
3x95	8.0	0.5	3.4	80.1	8580
3x120	8.0	0.8	3.6	85.7	10405
3x150	8.0	0.8	3.7	89.2	11610
3x185	8.0	0.8	3.8	92.8	13005
3x240	8.0	0.8	4.0	98.6	15335
3x300	8.0	0.8	4.1	103.5	17685



### 2. Electrical Data

	mm <sup>2</sup>	35	50	70	95	120	150	185	240	300
Cross section Area	mm <sup>2</sup>	16	16	16	16	16	25	25	25	25
Screen Area	mm <sup>2</sup>	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
DC Resist at 20 °C	Ω/km	0.668	0.494	0.342	0.247	0.196	0.159	0.1286	0.0993	0.0806
Ac Resist at 90 °C	Ω/km	0.470	0.449	0.423	0.404	0.389	0.376	0.364	0.348	0.338
Inductance	mh/km	0.133	0.143	0.159	0.174	0.188	0.201	0.216	0.238	0.256
Capacitance	μF/km	0.903	0.974	1.081	1.181	1.274	1.366	1.464	1.616	1.737
Charging current	A/km	0.130	0.140	0.156	0.170	0.183	0.197	0.211	0.233	0.250
Dielectric losses	W/m									
Current Ampacity										
Cable in ground	A	174	204	245	295	335	370	420	483	540
Cable in free air	A	199	235	287	350	400	450	505	590	655
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