

XLPE/AWA(SWA)/PVC(LSHF) Armour Cable

XLPE/AWA/PVC(LSHF) Armour Cable

0.6/1(1.2)kV Single core

Nominal Cross-sectional Area	Conductor		Thickness of Insulation	Thickness of Extruded Inner Covering	Diameter of Armour Wire (Approx.)	Thickness of Oversheath	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)
	Construction or shape	Outer Diameter (Approx.)						
mm ²	No./mm	mm	mm	mm	mm	mm	mm	Ω/km
1.5	7/0.53	1.59	0.7	1.0	0.8	1.8	11.1	12.1
2.5	7/0.67	2.01	0.7	1.0	0.8	1.8	11.5	7.41
4	7/0.85	2.55	0.7	1.0	0.8	1.8	12.0	4.61
6	7/1.04	3.12	0.7	1.0	0.8	1.8	12.6	3.08
10	7/1.35	4.05	0.7	1.0	0.8	1.8	13.5	1.83
16	Circular compacted	4.70	0.7	1.0	0.8	1.8	14.2	1.15
25		5.93	0.9	1.0	0.8	1.8	15.8	0.727
35		7.00	0.9	1.0	1.25	1.8	17.9	0.524
50		8.00	1.0	1.0	1.25	1.8	19.1	0.387
70		9.84	1.1	1.0	1.25	1.8	21.1	0.268
95		11.4	1.1	1.0	1.60	1.8	23.4	0.193
120		12.8	1.2	1.0	1.60	1.8	25.0	0.153
150		14.3	1.4	1.0	1.60	1.8	26.9	0.124
185		16.0	1.6	1.0	1.60	1.8	28.6	0.0991
240		18.6	1.7	1.0	1.60	1.9	32.1	0.0754
300		20.5	1.8	1.0	2.0	2.0	35.2	0.0601
400		23.3	2.0	1.2	2.0	2.2	39.2	0.0470
500		26.5	2.2	1.2	2.0	2.3	43.0	0.0366
630		30.9	2.4	1.2	2.5	2.4	49.2	0.0283

XLPE/SWA/PVC(LSHF) Armour Cable

❑ 0.6/1(1.2)kV Two cores

Nominal Cross-sectional Area	Conductor		Thickness of Insulation	Thickness of Extruded Inner Covering	Diameter of Armour Wire (Approx.)	Thickness of Oversheath	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)
	Construction or shape	Outer Diameter (Approx.)						
mm ²	No./mm	mm	mm	mm	mm	mm	mm	Ω/km
1.5	7/0.53	1.59	0.7	1.0	0.8	1.8	14.6	12.1
2.5	7/0.67	2.01	0.7	1.0	0.8	1.8	15.4	7.41
4	7/0.85	2.55	0.7	1.0	0.8	1.8	16.5	4.61
6	7/1.04	3.12	0.7	1.0	1.25	1.8	18.6	3.08
10	7/1.35	4.05	0.7	1.0	1.25	1.8	20.4	1.83
16	Circular compacted	4.70	0.7	1.0	1.25	1.8	21.7	1.15
25		5.93	0.9	1.0	1.6	1.8	25.7	0.727
35		7.00	0.9	1.0	1.6	1.8	28.0	0.524
50		8.00	1.0	1.0	1.6	1.9	30.1	0.387
70		9.84	1.1	1.0	2.0	2.0	35.2	0.268
95		11.4	1.1	1.2	2.0	2.2	39.1	0.193
120		12.8	1.2	1.2	2.0	2.3	42.5	0.153
150		14.3	1.4	1.2	2.5	2.4	47.6	0.124
185		16.0	1.6	1.4	2.5	2.6	52.8	0.0991
240		18.6	1.7	1.4	2.5	2.7	58.6	0.0754
300		20.5	1.8	1.6	2.5	2.9	63.7	0.0601

XLPE/SWA/PVC(LSHF) Armour Cable

❑ 0.6/1(1.2)kV Three cores

Nominal Cross-sectional Area	Conductor		Thickness of Insulation	Thickness of Extruded Inner Covering	Diameter of Armour Wire (Approx.)	Thickness of Oversheath	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)
	Construction or shape	Outer Diameter (Approx.)						
mm ²	No./mm	mm	mm	mm	mm	mm	Mm	Ω/km
1.5	7/0.53	1.59	0.7	1.0	0.8	1.8	15.1	12.1
2.5	7/0.67	2.01	0.7	1.0	0.8	1.8	16.0	7.41
4	7/0.85	2.55	0.7	1.0	0.8	1.8	17.2	4.61
6	7/1.04	3.12	0.7	1.0	1.25	1.8	19.3	3.08
10	7/1.35	4.05	0.7	1.0	1.25	1.8	21.3	1.83
16	Circular compacted	4.70	0.7	1.0	1.25	1.8	22.7	1.15
25		5.93	0.9	1.0	1.6	1.8	26.9	0.727
35		7.00	0.9	1.0	1.6	1.8	28.9	0.524
50		8.00	1.0	1.0	1.6	1.9	31.7	0.387
70		9.84	1.1	1.2	2.0	2.1	38.1	0.268
95		11.4	1.1	1.2	2.0	2.2	41.7	0.193
120		12.8	1.2	1.2	2.0	2.3	45.3	0.153
150		14.3	1.4	1.4	2.5	2.5	51.3	0.124
185		16.0	1.6	1.4	2.5	2.7	56.5	0.0991
240		18.6	1.7	1.6	2.5	2.9	63.4	0.0754
300		20.5	1.8	1.6	2.5	3.0	68.1	0.0601

XLPE/SWA/PVC(LSHF) Armour Cable

❑ 6/1(1.2)kV Four cores

Nominal Cross-sectional Area	Conductor		Thickness of Insulation	Thickness of Extruded Inner Covering	Diameter of Armour Wire (Approx.)	Thickness of Oversheath	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)
	Construction or shape	Outer Diameter (Approx.)						
mm ²	No./mm	mm	mm	mm	mm	mm	mm	Ω/km
1.5	7/0.53	1.59	0.7	1.0	0.8	1.8	15.9	12.1
2.5	7/0.67	2.01	0.7	1.0	0.8	1.8	16.9	7.41
4	7/0.85	2.55	0.7	1.0	1.25	1.8	19.1	4.61
6	7/1.04	3.12	0.7	1.0	1.25	1.8	20.5	3.08
10	7/1.35	4.05	0.7	1.0	1.25	1.8	22.8	1.83
16	Circular compacted	4.70	0.7	1.0	1.6	1.8	25.0	1.15
25		5.93	0.9	1.0	1.6	1.8	29.0	0.727
35		7.00	0.9	1.0	1.6	1.9	31.4	0.524
50		8.00	1.0	1.0	2.0	2.1	35.5	0.387
70		9.84	1.1	1.2	2.0	2.2	41.1	0.268
95		11.4	1.1	1.2	2.0	2.3	45.0	0.193
120		12.8	1.2	1.4	2.5	2.5	50.8	0.153
150		14.3	1.4	1.4	2.5	2.7	55.8	0.124
185		16.0	1.6	1.4	2.5	2.8	61.2	0.0991
240		18.6	1.7	1.6	2.5	3.1	69.1	0.0754
300		20.5	1.8	1.6	2.5	3.2	74.4	0.0601

XLPE/AWA/PVC(LSHF) Armour Cable

❑ 3.6/6(7.2)kV Single core

Nominal Cross-sectional Area	Conductor		Thickness of Insulation	Thickness of Extruded Inner Covering	Diameter of Armour Wire (Approx.)	Thickness of Oversheath	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)
	Construction or shape	Outer Diameter (Approx.)						
mm ²	No./mm	mm	mm	mm	mm	mm	mm	Ω/km
10	Circular compacted	3.73	2.5	1.2	1.25	1.8	21.6	1.83
16		4.70	2.5	1.2	1.6	1.8	23.3	1.15
25		5.93	2.5	1.2	1.6	1.8	24.5	0.727
35		7.00	2.5	1.2	1.6	1.8	25.6	0.524
50		8.00	2.5	1.2	1.6	1.8	26.6	0.387
70		9.84	2.5	1.2	1.6	1.8	28.4	0.268
95		11.4	2.5	1.2	1.6	1.9	30.2	0.193
120		12.8	2.5	1.2	1.6	1.9	31.6	0.153
150		14.3	2.5	1.2	1.6	2.0	33.3	0.124
185		16.0	2.5	1.2	2.0	2.1	36.0	0.0991
240		18.6	2.6	1.2	2.0	2.1	38.8	0.0754
300		20.5	2.8	1.2	2.0	2.2	42.1	0.0601
400		23.3	3.0	1.2	2.0	2.4	46.5	0.0470
500		26.5	3.2	1.3	2.5	2.5	51.5	0.0366
630		30.9	3.2	1.4	2.5	2.6	56.9	0.0283

XLPE/SWA/PVC(LSHF) Armour Cable

❑ 3.6/6(7.2)kV Three cores

Nominal Cross-sectional Area	Conductor		Thickness of Insulation	Thickness of Extruded Inner Covering	Diameter of Armour Wire (Approx.)	Thickness of Oversheath	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)
	Construction or shape	Outer Diameter (Approx.)						
mm ²	No./mm	mm	mm	mm	mm	mm	mm	Ω/km,
10	Circular compacted	3.73	2.5	1.2	2.0	1.9	37.6	1.83
16		4.70	2.5	1.2	2.0	2.0	39.9	1.15
25		5.93	2.5	1.2	2.0	2.1	42.7	0.727
35		7.00	2.5	1.3	2.5	2.2	46.6	0.524
50		8.00	2.5	1.3	2.5	2.3	49.0	0.387
70		9.84	2.5	1.4	2.5	2.4	53.5	0.268
95		11.4	2.5	1.4	2.5	2.5	57.0	0.193
120		12.8	2.5	1.5	2.5	2.6	60.5	0.153
150		14.3	2.5	1.6	2.5	2.7	64.2	0.124
185		16.0	2.5	1.6	2.5	2.8	67.7	0.0991
240		18.6	2.6	1.7	2.5	3.0	74.5	0.0754
300		20.5	2.8	1.8	3.15	3.2	83.1	0.0601
400		23.3	3.0	2.0	3.15	3.4	92.3	0.0470
500		26.5	3.2	2.1	3.15	3.7	100.0	0.0366
630		30.9	3.2	2.3	3.15	3.9	111.9	0.0283

XLPE/AWA/PVC(LSHF) Armour Cable

❑ 6/10(12)kV Single core

Nominal Cross-sectional Area	Conductor		Thickness of Insulation	Thickness of Extruded Inner Covering	Diameter of Armour Wire (Approx.)	Thickness of Oversheath	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)
	Construction or shape	Outer Diameter (Approx.)						
mm ²	No./mm	mm	mm	mm	mm	mm	mm	Ω/km
10	Circular compacted	3.73	3.4	1.2	1.6	1.8	24.2	1.83
16		4.70	3.4	1.2	1.6	1.8	25.2	1.15
25		5.93	3.4	1.2	1.6	1.8	26.4	0.727
35		7.00	3.4	1.2	1.6	1.8	27.4	0.524
50		8.00	3.4	1.2	1.6	1.8	28.4	0.387
70		9.84	3.4	1.2	1.6	1.9	30.4	0.268
95		11.4	3.4	1.2	1.6	1.9	32.0	0.193
120		12.8	3.4	1.2	2.0	2.0	34.4	0.153
150		14.3	3.4	1.2	2.0	2.1	36.1	0.124
185		16.0	3.4	1.2	2.0	2.1	37.8	0.0991
240		18.6	3.4	1.2	2.0	2.2	41.2	0.0754
300		20.5	3.4	1.2	2.0	2.3	43.3	0.0601
400		23.3	3.4	1.3	2.5	2.4	48.4	0.0470
500		26.5	3.4	1.3	2.5	2.5	51.8	0.0366
630		30.9	3.4	1.4	2.5	2.6	57.2	0.0283

XLPE/SWA/PVC(LSHF) Armour Cable

❑ 6/10(12)kV Three cores

Nominal Cross-sectional Area	Conductor		Thickness of Insulation	Thickness of Extruded Inner Covering	Diameter of Armour Wire (Approx.)	Thickness of Oversheath	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)
	Construction or shape	Outer Diameter (Approx.)						
mm ²		mm	mm	mm	mm	mm	mm	Ω/km
16	Circular compacted	4.70	3.4	1.2	2.0	2.3	44.8	1.15
25		5.93	3.4	1.3	2.5	2.5	49.1	0.727
35		7.00	3.4	1.3	2.5	2.6	51.6	0.524
50		8.00	3.4	1.4	2.5	2.7	54.2	0.387
70		9.84	3.4	1.5	2.5	2.8	58.7	0.268
95		11.4	3.4	1.5	2.5	2.9	62.3	0.193
120		12.8	3.4	1.6	2.5	3.0	65.7	0.153
150		14.3	3.4	1.6	2.5	3.1	69.2	0.124
185		16.0	3.4	1.7	2.5	3.2	73.2	0.0991
240		18.6	3.4	1.8	3.15	3.5	82.2	0.0754
300		20.5	3.4	1.9	3.15	3.6	87.2	0.0601
400		23.3	3.4	2.0	3.15	3.9	95.5	0.0470
500		26.5	3.4	2.1	3.15	4.1	103.0	0.0366
630		30.9	3.4	2.3	3.15	4.3	114.5	0.0283

XLPE/AWA/PVC(LSHF) Armour Cable

❑ 8.7/15(17.5)kV Single core

Nominal Cross-sectional Area	Conductor		Thickness of Insulation	Thickness of Extruded Inner Covering	Diameter of Armour Wire (Approx.)	Thickness of Oversheath	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)
	Construction or shape	Outer Diameter (Approx.)						
mm ²		mm	mm	mm	mm	mm	mm	Ω/km
25	Circular compacted	5.93	4.5	1.2	1.6	1.8	28.7	0.727
35		7.00	4.5	1.2	1.6	1.9	30.0	0.524
50		8.00	4.5	1.2	1.6	1.9	31.0	0.387
70		9.84	4.5	1.2	1.6	2.0	33.0	0.268
95		11.4	4.5	1.2	2.0	2.1	35.6	0.193
120		12.8	4.5	1.2	2.0	2.1	37.0	0.153
150		14.3	4.5	1.2	2.0	2.1	38.5	0.124
185		16.0	4.5	1.2	2.0	2.2	41.0	0.0991
240		18.6	4.5	1.2	2.0	2.3	43.8	0.0754
300		20.5	4.5	1.2	2.0	2.3	45.9	0.0601
400		23.3	4.5	1.3	2.5	2.5	51.0	0.0470
500		26.5	4.5	1.3	2.5	2.6	55.2	0.0366
630		30.9	4.5	1.4	2.5	2.7	59.8	0.0283

XLPE/SWA/PVC(LSHF) Armour Cable

❑ 8.7/15(17.5)kV Three cores

Nominal Cross-sectional Area	Conductor		Thickness of Insulation	Thickness of Extruded Inner Covering	Diameter of Armour Wire (Approx.)	Thickness of Oversheath	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)
	Construction or shape	Outer Diameter (Approx.)						
mm ²		mm	mm	mm	mm	mm	mm	Ω/km
25	Circular compacted	5.93	4.5	1.4	2.5	2.6	54.5	0.727
35		7.00	4.5	1.4	2.5	2.7	57.0	0.524
50		8.00	4.5	1.5	2.5	2.8	59.7	0.387
70		9.84	4.5	1.6	2.5	2.9	64.1	0.268
95		11.4	4.5	1.6	2.5	3.1	67.9	0.193
120		12.8	4.5	1.7	2.5	3.2	71.3	0.153
150		14.3	4.5	1.7	3.15	3.3	76.0	0.124
185		16.0	4.5	1.8	3.15	3.5	81.6	0.0991
240		18.6	4.5	1.9	3.15	3.6	87.6	0.0754
300		20.5	4.5	2.0	3.15	3.8	92.7	0.0601
400		23.3	4.5	2.1	3.15	4.0	100.8	0.0470
500		26.5	4.5	2.2	3.15	4.2	109.6	0.0366
630		30.9	4.5	2.4	3.15	4.5	120.2	0.0283

XLPE/AWA/PVC(LSHF) Armour Cable

❑ 12/20(24)kV Single core

Nominal Cross-sectional Area	Conductor		Thickness of Insulation	Thickness of Extruded Inner Covering	Diameter of Armour Wire (Approx.)	Thickness of Oversheath	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)
	Construction or shape	Outer Diameter (Approx.)						
mm ²	No./mm	mm	mm	mm	mm	mm	mm	Ω/km
35	Circular compacted	7.00	5.5	1.2	1.6	1.9	31.8	0.524
50		8.00	5.5	1.2	1.6	2.0	33.0	0.387
70		9.84	5.5	1.2	2.0	2.1	35.8	0.268
95		11.4	5.5	1.2	2.0	2.1	37.4	0.193
120		12.8	5.5	1.2	2.0	2.2	39.0	0.153
150		14.3	5.5	1.2	2.0	2.2	41.1	0.124
185		16.0	5.5	1.2	2.0	2.3	43.0	0.0991
240		18.6	5.5	1.2	2.0	2.4	45.9	0.0754
300		20.5	5.5	1.3	2.5	2.5	49.4	0.0601
400		23.3	5.5	1.3	2.5	2.6	53.0	0.0470
500		26.5	5.5	1.4	2.5	2.7	57.2	0.0366
630		30.9	5.5	1.5	2.5	2.8	62.1	0.0283

XLPE/SWA/PVC(LSHF) Armour Cable

❑ 12/20(24)kV Three cores

Nominal Cross-sectional Area	Conductor		Thickness of Insulation	Thickness of Extruded Inner Covering	Diameter of Armour Wire (Approx.)	Thickness of Oversheath	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)
	Construction or shape	Outer Diameter (Approx.)						
mm ²	No./mm	mm	mm	mm	mm	mm	Mm	Ω/km
35	Circular compacted	7.00	5.5	1.5	2.5	2.9	61.7	0.524
50		8.00	5.5	1.6	2.5	3.0	64.2	0.387
70		9.84	5.5	1.6	2.5	3.1	68.4	0.268
95		11.4	5.5	1.7	2.5	3.2	72.2	0.193
120		12.8	5.5	1.8	3.15	3.4	77.1	0.153
150		14.3	5.5	1.8	3.15	3.5	81.8	0.124
185		16.0	5.5	1.9	3.15	3.6	85.9	0.0991
240		18.6	5.5	2.0	3.15	3.8	92.0	0.0754
300		20.5	5.5	2.1	3.15	4.0	97.3	0.0601
400		23.3	5.5	2.2	3.15	4.2	105.3	0.0470
500		26.5	5.5	2.3	3.15	4.4	114.1	0.0366
630		30.9	5.5	2.5	3.15	4.6	124.5	0.0283

XLPE/AWA/PVC(LSHF) Armour Cable

❑ 18/30(36)kV Single core

Nominal Cross-sectional Area	Conductor		Thickness of Insulation	Thickness of Extruded Inner Covering	Diameter of Armour Wire (Approx.)	Thickness of Oversheath	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)
	Construction or shape	Outer Diameter (Approx.)						
mm ²		mm	mm	mm	mm	mm	mm	Ω/km
35	Circular compacted	7.00	8.0	1.2	2.0	2.1	38.0	0.524
50		8.00	8.0	1.2	2.0	2.2	39.8	0.387
70		9.84	8.0	1.2	2.0	2.2	41.6	0.268
95		11.4	8.0	1.2	2.0	2.3	43.4	0.193
120		12.8	8.0	1.2	2.0	2.3	44.8	0.153
150		14.3	8.0	1.3	2.5	2.4	47.8	0.124
185		16.0	8.0	1.3	2.5	2.5	49.7	0.0991
240		18.6	8.0	1.3	2.5	2.6	52.5	0.0754
300		20.5	8.0	1.4	2.5	2.6	55.4	0.0601
400		23.3	8.0	1.4	2.5	2.8	59.2	0.0470
500		26.5	8.0	1.5	2.5	2.8	62.7	0.0366
630		30.9	8.0	1.6	2.5	3.0	67.8	0.0283

XLPE/SWA/PVC(LSHF) Armour Cable

❑ 18/30(36)kV Three cores

Nominal Cross-sectional Area	Conductor		Thickness of Insulation	Thickness of Extruded Inner Covering	Diameter of Armour Wire (Approx.)	Thickness of Oversheath	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)
	Construction or shape	Outer Diameter (Approx.)						
mm ²		mm	mm	mm	mm	mm	mm	Ω/km
35	Circular compacted	7.00	8.0	1.7	2.5	3.3	73.7	0.524
50		8.00	8.0	1.8	3.15	3.4	78.8	0.387
70		9.84	8.0	1.9	3.15	3.5	83.2	0.268
95		11.4	8.0	1.9	3.15	3.7	86.9	0.193
120		12.8	8.0	2.0	3.15	3.8	90.3	0.153
150		14.3	8.0	2.0	3.15	3.9	93.9	0.124
185		16.0	8.0	2.1	3.15	4.0	97.9	0.0991
240		18.6	8.0	2.2	3.15	4.2	104.1	0.0754
300		20.5	8.0	2.3	3.15	4.3	110.4	0.0601
400		23.3	8.0	2.4	3.15	4.6	118.7	0.0470
500		26.5	8.0	2.5	3.15	4.8	126.3	0.0366
630		30.9	8.0	2.7	3.15	5.0	136.6	0.0283