



0,6/1 kV Unscreened Power & Lighting Cables

Construction

- ① Conductor
Electrolytic, stranded, annealed, bare or tinned copper, Class 2 or Class 5
- ② Insulation
XLPE
- ③ Inner Sheath
Halogen-free thermoplastic filler or polyester tape
- ④ Outer Sheath
Grey or black colored, halogen-free, low smoke, flame-retardant, polyolefine based thermoplastic compound



Technical Features

Rated Voltage	: 0,6/1 kV
Test Voltage	: 3,5 kV
Temperature Range	: -40°C / +90°C
Bending Radius	: 6 x Outer Diameter
Halogen free properties	: IEC 60754-1&2
Low smoke emission	: IEC 61034-1&2
Flame Retardancy	: IEC 60332-3 CAT.A
Application	: Used in ships and sea vehicles for power and lighting applications. Halogen-free, flame retardant and low smoke density type cables.
Standards of Design & Tests	: IEC 60092-353 & IEC 60092-350

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Nominal Cross-section	Net Weight (approx.)	Overall Diameter of Cable (approx.)	Conductor DC Resistance at 20° C
mm ²	kg/km	mm	ohm/km
1x1	30	5.0	18.100
1x1,5	40	5.0	12.100
1x2,5	50	6.0	7.400
1x4	70	6.0	4.610
1x6	90	7.0	3.080
1x10	130	8.0	1.830
1x16	190	9.0	1.150
1x25	310	11.0	0.727
1x35	400	12.0	0.524
1x50	530	14.0	0.387
1x70	730	16.0	0.268
1x95	970	18.0	0.193
1x120	1,260	20.0	0.154
1x150	1,540	22.0	0.126
1x185	1,900	24.0	0.100
1x240	2,400	27.0	0.076
1x300	2,970	30.0	0.060
2x1	60	8.0	18.100
2x1,5	70	8.0	12.100
2x2,5	100	9.0	7.400
2x4	140	10.0	4.610
2x6	180	11.0	3.080
2x10	270	14.0	1.830
2x16	390	16.0	1.150
2x25	970	22.0	0.727
2x35	1,230	24.0	0.524
2x50	1,550	27.0	0.387
2x70	2,190	32.0	0.268
2x95	2,840	35.0	0.193
3x1	80	8.0	18.100
3x1,5	100	9.0	12.100
3x2,5	130	10.0	7.400
3x4	190	11.0	4.610

U-HF m

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Nominal Cross-section	Net Weight (approx.)	Overall Diameter of Cable (approx.)	Conductor DC Resistance at 20° C
mm ²	kg/km	mm	ohm/km
3x6	240	12.0	3.080
3x10	380	14.0	1.830
3x16	550	17.0	1.150
3x25	1,210	24.0	0.727
3x35	1,560	26.0	0.524
3x50	2,050	29.0	0.387
3x70	2,790	34.0	0.268
3x95	3,660	38.0	0.193
3x120	4,720	43.0	0.154
3x150	5,780	47.0	0.126
3x185	7,150	52.0	0.100
3x240	8,910	58.0	0.076
4x1	90	9.0	18.100
4x1,5	120	10.0	12.100
4x2,5	170	11.0	7.400
4x4	240	12.0	4.610
4x6	310	14.0	3.080
4x10	490	16.0	1.830
4x16	720	19.0	1.150
4x25	1,460	24.0	0.727
4x35	1,950	28.0	0.524
4x50	2,470	32.0	0.387
4x70	3,520	37.0	0.268

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Nominal Cross-section	Net Weight (approx.)	Overall Diameter of Cable (approx.)	Conductor DC Resistance at 20° C
mm ²	kg/km	mm	ohm/km
4x95	4,650	41.0	0.193
4x120	6,020	47.0	0.154
4x150	7,370	52.0	0.126
5x1	110	10.0	18.100
5x1,5	140	10.0	12.100
5x2,5	200	12.0	7.400
7x1	140	10.0	18.100
7x1,5	190	11.0	12.100
7x2,5	270	13.0	7.400
10x1	200	13.0	18.100
10x1,5	270	14.0	12.100
10x2,5	380	16.0	7.400
12x1	230	14.0	18.100
12x1,5	310	15.0	12.100
12x2,5	450	17.0	7.400
14x1	270	15.0	18.100
14x1,5	360	16.0	12.100
14x2,5	520	18.0	7.400
16x1	300	15.0	18.100
16x1,5	400	17.0	12.100
16x2,5	580	19.0	7.400
19x1	350	16.0	18.100
19x1,5	470	18.0	12.100
19x2,5	680	20.0	7.400
24x1	430	18.0	18.100
24x1,5	580	20.0	12.100
24x2,5	820	20.0	7.400
27x1	480	20.0	18.100
27x1,5	650	21.0	12.100
27x2,5	950	25.0	7.400
33x1	580	21.0	18.100
33x1,5	790	23.0	12.100
33x2,5	1,150	27.0	7.400
37x1	640	22.0	18.100
37x1,5	870	24.0	12.100
37x2,5	1,280	28.0	7.400