



0,6/1 kV Fire Resistant Screened Power & Lighting Cables

Construction

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



TÜRK LOYDU

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, these cables have function endurance according to IEC 60331.
Standards of Design & Tests	: IEC 60092-353 & IEC 60092-350 & IEC 60331-21

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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	60	6.0	18.100
1x1,5	70	6.0	12.100
1x2,5	90	7.0	7.400
1x4	100	8.0	4.610
1x6	130	8.0	3.080
1x10	180	9.0	1.830
1x16	250	10.0	1.150
1x25	380	12.0	0.727
1x35	480	14.0	0.524
1x50	650	16.0	0.387
1x70	870	18.0	0.268
1x95	1,120	19.0	0.193
1x120	1,440	22.0	0.154
1x150	1,730	24.0	0.126
1x185	2,120	26.0	0.100
1x240	2,630	29.0	0.076
1x300	3,230	31.0	0.060
2x1	110	10.0	18.100
2x1,5	130	10.0	12.100
2x2,5	160	11.0	7.400
2x4	210	12.0	4.610
2x6	290	14.0	3.080
2x10	400	16.0	1.830
2x16	540	18.0	1.150
2x25	1,210	25.0	0.727
2x35	1,500	27.0	0.524
2x50	1,810	29.0	0.387
2x70	2,580	35.0	0.268
2x95	3,370	39.0	0.193
3x1	140	10.0	18.100

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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
3x1,5	160	11.0	12.100
3x2,5	210	12.0	7.400
3x4	270	13.0	4.610
3x6	370	15.0	3.080
3x10	530	17.0	1.830
3x16	730	19.0	1.150
3x25	1,480	26.0	0.727
3x35	1,850	29.0	0.524
3x50	2,380	32.0	0.387
3x70	3,220	37.0	0.268
3x95	4,230	41.0	0.193
3x120	5,420	47.0	0.154
3x150	6,550	51.0	0.126
3x185	7,940	56.0	0.100
3x240	9,970	62.0	0.076
4x1	190	12.0	12.100
4x1,5	250	13.0	7.400
4x2,5	360	15.0	4.610
4x4	460	16.0	3.080
4x6	660	19.0	1.830
4x10	920	21.0	1.150
4x16	1,820	29.0	0.727
4x25	2,290	32.0	0.524
4x35	2,890	35.0	0.387
4x50	3,410	38.0	0.268
4x70			

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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	5,300	46.0	0.193
4x120	6,800	51.0	0.154
4x150	8,350	57.0	0.126
5x1	190	12.0	18.100
5x1,5	230	13.0	12.100
5x2,5	330	15.0	7.400
7x1	240	13.0	18.100
7x1,5	320	15.0	12.100
7x2,5	420	16.0	7.400
10x1	360	16.0	18.100
10x1,5	440	18.0	12.100
10x2,5	570	20.0	7.400
12x1	410	18.0	18.100
12x1,5	510	19.0	12.100
12x2,5	670	20.0	7.400
14x1	450	19.0	18.100
14x1,5	570	20.0	12.100
14x2,5	750	22.0	7.400
16x1	510	20.0	18.100
16x1,5	630	21.0	12.100
16x2,5	840	24.0	7.400
19x1	580	21.0	18.100
19x1,5	720	22.0	12.100
19x2,5	960	25.0	7.400
24x1	700	23.0	18.100
24x1,5	880	25.0	12.100
24x2,5	1,180	28.0	7.400
27x1	780	25.0	18.100
27x1,5	970	27.0	12.100
27x2,5	1,320	30.0	7.400
33x1	910	27.0	18.100
33x1,5	1,150	28.0	12.100
33x2,5	1,560	30.0	7.400
37x1	1,000	28.0	18.100
37x1,5	1,260	30.0	12.100
37x2,5	1,720	33.0	7.400