

Becatech

Interconnective Power



Screened power cable (h-flex)

Cable Structure :

Conductor: stranded copper according to IEC 60228 (class 5); tinned stranded copper conductor on request.

Insulation: XLPE plastic.

Bedding: non-woven separator tape.

Screen: copper wire braid, coverage > 94% (tinned copper wire on request).

Outer sheath: polyurethane compound.

Technical Specification :

Rated temperature conductor: 90°C.

Rated temperature fixed use: -60°C to 80°C.

Rated temperature flexible use: -35°C to 80°C.

Rated bending radius:

- Fixed: < 25mm: 4 x ϕ .
- Fixed: > 25mm: 6 x ϕ .
- Mobile: < 25mm: 8 x ϕ .
- Mobile: > 25mm: 10 x ϕ .
- S-shape deflection: < 25mm: 15 x ϕ .
- S-shape deflection: > 25mm: 20 x ϕ .

Fire behaviour:

- Flame retardant according to IEC 60332-1-2.
- Halogen free according to 60754.

Application :

Intended for flexible, portable and movable applications such as ship-to-shore cable, outdoor cranes and various industrial applications.

Suitable for flexible applications in machineries, machine tools, robot technics, and can be submersed into water.

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IBAN BE89363217265185
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Suitable for drag chain use.

Core x mm ²	Screen Cross Section mm ²	Overall Diameter mm	Weight (kg/km)	Current Rating A
1x1	1.9	6.0	50	17
1x1.5	1.9	6.5	55	22
1x2.5	1.9	7.0	70	30
1x4	2.6	7.5	90	39
1x6	2.6	8.0	110	50
1x10	3.3	9.0	155	71
1x16	3.3	10.5	220	94
1x25	3.9	12.5	320	123
1x35	4.6	13.5	420	153
1x50	5.9	15.5	570	196
1x70	6.0	17.5	780	240
1x95	7.0	19.5	1005	284
1x120	7.3	21.0	1245	331
1x150	8.2	24.0	1560	381
1x185	9.1	26.5	1895	429
1x240	10.2	29.5	2505	507
1x300	11.2	33.0	3095	582
2x1	3.3	9.0	90	14
2x1.5	3.3	10.0	105	19
2x2.5	3.3	11.0	130	26
2x4	3.9	12.0	165	33
2x6	4.6	13.0	260	43
2x10	5.9	15.5	380	60
2x16	7.0	17.5	530	80
2x25	7.3	22.0	780	105
2x35	8.4	24.0	1015	130
2x50	9.8	27.5	1390	167
2x70	11.3	32.0	1930	204
2x95	12.8	35.5	2460	241
3x1	3.3	9.5	110	12
3x1.5	3.3	10.0	125	15
3x2.5	3.9	11.5	165	21
3x4	4.1	12.5	215	27

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3x6	4.6	14.0	305	35
3x10	6.0	16.5	470	50
3x16	7.0	19.0	660	66
3x25	7.9	23.5	1000	86
3x35	9.0	25.5	1310	107
3x50	10.6	29.5	1805	137
3x70	12.1	34.5	2505	168
3x95	13.9	38.0	3240	199
3x120	15.4	42.5	4075	232
3x150	17.2	49.0	5145	267
3x185	19.2	53.5	6245	300
3x240	21.7	60.5	8290	355
4x1	3.3	10.5	130	12
4x1.5	3.9	11.0	150	15
4x2.5	4.0	12.5	200	21
4x4	4.6	13.5	265	27
4x6	5.9	15.5	380	35
4x10	7.0	18.0	575	50
4x16	7.1	21.0	830	66
4x25	8.8	26.0	1280	86
4x35	10.0	28.0	1685	107
4x50	11.7	33.0	2340	137
4x70	13.5	38.0	3260	168
4x95	15.4	42.5	4220	199
4x120	17.2	47.5	5325	232
4x150	19.3	54.5	6725	267
4x185	21.6	60.0	8170	300
5x1	3.9	11.0	155	10
5x1.5	3.9	12.0	175	13
5x2.5	4.6	13.5	245	17
5x4	5.9	14.5	330	23
5x6	6.0	16.5	450	29
5x10	7.0	20.0	695	41
5x16	7.8	23.0	970	55
5x25	9.8	28.5	1480	71
5x35	11.2	31.5	2065	89
5x50	13.1	36.5	2885	114
5x70	15.1	42.5	4075	139

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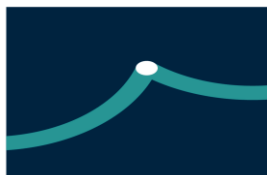
Interconnective Power

5x95	17.1	47.5	5350	165
5x120	19.2	52.5	6805	192
5x150	21.6	60.0	8745	221
6x1	3.9	12.0	190	9
6x1.5	4.3	13.0	205	11
6x2.5	4.8	14.5	285	15
7x1	3.9	12.0	180	9
7x1.5	4.3	13.0	215	11
7x2.5	4.8	14.5	300	15
7x4	6.0	16.0	415	20
7x6	7.0	18.0	560	26
7x10	7.4	21.5	870	37
7x16	8.7	25.5	1300	49
7x25	10.9	31.5	2020	64
10x1	5.9	15.0	270	8
10x1.5	6.0	16.5	310	10
10x2.5	7.0	18.5	445	14
12x1	6.0	15.5	295	7
12x1.5	6.0	17.0	340	10
12x2.5	7.0	19.0	495	13
14x1	6.0	16.5	325	7
14x1.5	6.3	18.0	385	9
14x2.5	7.1	20.0	555	12
16x1	6.0	17.0	360	7
16x1.5	7.0	18.5	435	9
16x2.5	7.6	21.5	640	12
19x1	7.0	18.0	415	6
19x1.5	7.1	19.5	485	8
19x2.5	8.0	22.5	725	11
24x1	7.7	21.5	525	6
24x1.5	8.5	23.0	620	8
24x2.5	9.6	26.5	915	10
27x1	7.9	22.0	570	5
27x1.5	8.7	24.0	680	7
27x2.5	9.9	27.0	1010	10
30x1	8.2	22.5	620	5
30x1.5	9.1	24.5	740	7
30x2.5	10.3	28.0	1105	9

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37x1	8.9	24.5	735	5
37x1.5	9.9	26.5	885	7
37x2.5	11.2	30.5	1335	9
3x25 + 3x6	8.0	24.0	1150	86
3x35 + 3x6	9.1	26.0	1455	107
3x50 + 3x10	10.7	30.0	2055	137
3x70 + 3x16	12.3	35.0	2910	168
3x95 + 3x16	14.0	38.5	3630	199
3x120 + 3x25	15.5	43.0	4700	232
3x150 + 3x25	17.3	49.5	5745	267
3x185 + 3x35	19.3	54.5	7125	300
3x240 + 3x50	21.9	61.5	9470	355

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