



Becatech

Interconnective Power



**Halogen free low voltage
power cable FLEX
(N2XH flex)**

Cable Structure :

Conductor: flexible electrolytic annealed copper according to IEC 60228 (class 5).

Insulation: cross-linked polyethylene, type XLPE according to IEC 60502-1.

Outer sheath: Low smoke halogen free polyolefin.

Core identification:

- One core: natural.
- Two cores: blue + brown.
- Three G cores: blue + brown + green/yellow.
- Three cores: brown + black + grey.
- Three cores + one core: brown + black + grey + blue (reduced cross-section).
- Four G cores: brown + black + grey + green/yellow.
- Four cores: brown + black + grey + blue.
- Five G cores: brown + black + grey + blue + green/yellow.

Technical Specification :

Nominal voltage: 0.6/1 kV.

Rated temperature service: -40°C to 90°C.

Minimum temperature installation and handling: 0°C.

Rated bending radius: 5 x ϕ .

Fire behaviour:

- Flame non-propagation according to IEC 60332-1.
- Fire non-propagation according to IEC 60332-3.
- Reaction to fire CPR: B2ca-s1a, d1, a1.
- Low smoke halogen free according to IEC 60754-1.
- Low corrosive gases emission according to IEC 60754-2.
- Low smoke emission according to IEC 61034.
- Light transmittance > 80%.

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Application :

Is a safety cable for fixed installations.

Highly recommended for use in public places such as hospitals, schools, museums, airports, bus terminals, shopping centers, offices, laboratories, etc.

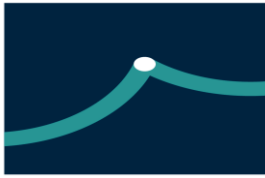
Suitable in open air, buried and in conduit.

Core x mm ²	Overall diameter	Weight (kg/km)
1x2.5	7.1	75
1x4	7.6	95
1x6	8.2	115
1x10	9.2	165
1x16	10.2	225
1x25	11.8	320
1x35	12.1	390
1x50	13.9	535
1x70	15.7	730
1x95	17.3	930
1x120	19.1	1165
1x150	21.0	1445
1x185	23.1	1740
1x240	26.1	2260
1x300	28.8	2815
1x400	33.8	3760
1x500	37.9	4835
1x630	43.7	6385
2x1.5	9.8	130
2x2.5	10.7	165
2x4	11.1	190
2x6	12.2	245
2x10	13.6	355
2x16	15.3	495
3g1.5	11.3	170
3g2.5	12.1	210
3g4	12.2	240
3g6	13.4	315
3g10	14.8	450
3x16	16.8	645
3x25	21.4	1020
3x35	23.8	1345
3x50	27.2	1825

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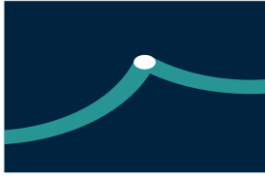
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3x70	30.3	2470
3x16 + 1x10	19.1	800
3x25 + 1x16	22.5	1165
3x35 + 1x16	24.4	1480
3x50 + 1x25	28.6	2050
3x70 + 1x35	32.9	2815
3x95 + 1x50	37.1	3690
3x120 + 1x70	40.8	4700
3x150 + 1x70	45.9	5725
3x185 + 1x95	51.4	7000
3x240 + 1x120	58.6	9185
3x300	61	10180
4g1.5	11.7	185
4g2.5	12.2	225
4g4	13.2	290
4g6	14.7	385
4g10	16.3	565
4x16	18.8	815
4x25	23.8	1275
4x35	25.9	1700
4x50	30.1	2310
4x70	34.8	3185
4x95	39.9	4184
4x120	44.8	5305
4x150	49.3	6548
4x185	54.8	7965
4x240	61.7	10370
4x300	68.0	13055
5g1.5	13.1	235
5g2.5	14.4	300
5g4	14.8	360
5g6	16.3	470
5g10	18.0	685
5g16	20.9	1000
5g25	25.9	1550
5g35	28.3	2050
5g50	33.7	2840
5g70	38.6	3905
5g95	43.5	5080
5g120	49.5	6395
5g150	55.1	7935
5g185	61.1	9665
5g240	68.8	12620

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