



Becatech

Interconnective Power



Flexible EMC screened power cable (ROZ1-K EMC)

Cable Structure :

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

Protective conductor: ground conductor is divided into three conductors; the equivalent cross-section is approx. 50% of the section of the phase conductor.

Insulation: XLPE according to IEC 60502-1, type HFXLPE 90°C according to IEC 60092-360.

Screen: aluminum/ polyester tape screen, helically placed over the insulated conductors. Over the tape there is a tinned copper braid screen (works as a double screen).

Outer sheath: polyolefin LSHF, type ST8 according to IEC 60502-1 and type SHF1 according to IEC 60092-360.

Core identification:

- Three cores x three g cores + grey + brown + black + green/yellow (3G from 6mm² onwards).
- Four g cores + grey + brown + black + green/yellow (up to 4 mm²).

Technical Specification :

Rated conductor temperature: 90°C.

Minimum temperature: -40°C.

Rated bending radius: 10 x ϕ .

Fire behaviour:

- CPR classification: Cca-s1a, d1, a1.
- Flame retardant according to IEC 60332-1.
- Fire resistant according to IEC 60332-3.
- Low smoke halogen free according to IEC 60754-1.
- Low smoke emission according to IEC 61034.
- Low corrosive gases emission according to IEC 60754-2.

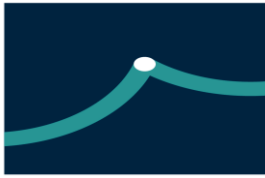
Application :

Industrial use, variable frequency drive. Can be used in open air, buried or in conduit.

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Core x mm ²	Diameter Under Braid mm	Overall Diameter mm	Weight (kg/km)	Open air	Buried
3x6 + 3g1.5	10.5	15.0	390	63	58
3x10 + 3g1.5	10.9	15.4	500	86	77
3x16 + 3x2.5	14.0	18.5	715	115	100
3x16 + 3g6	16.9	22.3	920	115	100
3x25 + 3g4	16.9	21.6	1070	149	129
3x25 + 3g6	16.9	22.1	1175	149	129
3x35 + 3g6	19.3	24.6	1475	185	155
3x50 + 3g10	22.7	28.1	2045	225	183
3x70 + 3g10	26.0	30.9	2565	289	225
3x70 + 3g16	26.0	31.4	2795	289	225
3x95 + 3g16	29.8	35.2	3455	352	270
3x120 + 3g16	33.3	39.0	4215	410	306
3x120 + 3g25	33.3	39.4	4545	410	306
3x150 + 3g25	38.0	44.3	5430	473	343
3x185 + 3g35	41.6	48.4	6670	542	387
3x240 + 3g50	48.1	55.3	8730	641	448
3x300 + 3g50	54.3	61.9	10495	741	502
4g1.5	6.9	11.4	185	26	27
4g2.5	7.7	12.2	230	36	35
4g4	9.2	13.7	300	49	46
4g6	10.6	15.1	385	63	57
4g10	12.5	17.0	555	86	77

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