SILICABLE®

VMC-ECS and BGVMC-ECS

- 60°C to + 180°C

CHARACTERISTICS

Physical-chemical

- Continuous working temperatures: - 60°C to + 180°C Peaks at + 230°C.
- Good resistance to thermal shock.
- Excellent ageing resistance.
- Good resistance to humidity and usual chemical atmospheres.

Electrical

- Working voltage: up to 600/1000 V.
- Test voltage: 3000 V.

PRODUCTS

- Colour-coding of insulated conductors: see table below.
- Silicone sheath: brick red.
- Tape and braid of fibreglass: natural ecru colour.

PACKAGING

- Rolls, spools or drums.

OPTIONS

- Braid of mineral fibre: ref. AMC-ECS and BGAMC-ECS (better resistance to thermal shock and peak temperatures).
- Braided electrical screen of tinned copper: ref. VMCBE-ECS and BGVMCBE-ECS.
- Electrical screen with aluminium tape + continuity wire: ref. VMCBAL-ECS and BGVMCBAL-ECS.

1 - Flexible tinned copper core - class 5 - IEC 60228.
2 - Silicone rubber - type EI2 - HD 22.1.
3 - Braid in silicone-coated fibreglass.
4 - Fibreglass braid, silicone-coated or not, or glass tape.
5 - Shielding braid of galvanized steel.

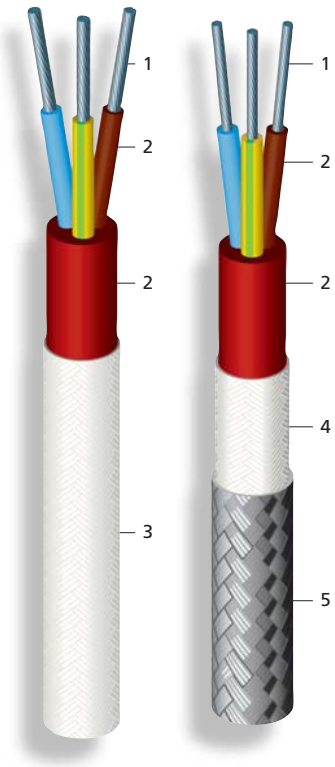
APPROVALS - STANDARDS

- Silicone insulation CNET-approved as per specification CM26.
- Halogen-free cable, passes test C1 of standard NFC 32-070.
- Silicone compound, compliant with HD 22.1, type EI2.
- Fire behaviour: compliant with standards IEC 60332-1 and IEC 60331-21.

APPLICATIONS

- Any wiring in hot environments up to180°C.
- Wiring in metallurgical industry, glassworks, etc.
- Wiring for furnaces, ovens, machines for thermoplastics and rubber, welding sets, etc.
- Lights, floodlights, etc.

VMC-ECS BGVMC-ECS



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COLOUR-CODING OF CONDUCTORS

Number	With earthing wire	Without earthing wire
2	-	brown - blue
3	green/yellow - brown - blue	black - brown - blue
4	green/yellow - black- brown - blue	black - brown - blue - grey or black
5	green/yellow - black - brown - blue - grey or black	black - brown - blue - 2 numbered grey or black
6	green/yellow - 5 numbered grey	6 numbered grey
≥ 7	green/yellow + numbered grey	numbered grey

• Designation

Multi-conductors without an earthing wire are marked as follows: < Number of conductors > x < Cross-section > mm² (example: 3 x 1.5 mm²).

Multi-conductors with an earthing wire are marked with the symbol G instead of the x (example 3 G 1.5 mm²).

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omerin division principale

Nominal cross-section mm²	INSULATED CONDUCTORS Nominal stranding	Nominal outer diameter mm	CABLE VMC-ECS Nominal outer* diameter mm	CABLE BGVMC-ECS Nominal outer* diameter mm	Approx. linear weight (version VMC-ECS) kg/km
2 x 0.5	16 x 0.20	2.1	6.5	7.3	55.0
3 x 0.5	16 x 0.20	2.1	6.7	7.5	60.0
4 x 0.5	16 x 0.20	2.1	7.5	8.3	78.0
5 x 0.5	16 x 0.20	2.1	8.3	9.1	91.0
6 x 0.5	16 x 0.20	2.1	9.0	9.8	107
7 x 0.5	16 x 0.20	2.1	9.0	9.8	114
2 x 0.75	24 x 0.20	2.4	6.8	7.6	63.0
3 x 0.75	24 x 0.20	2.4	7.2	8.0	74.0
4 x 0.75	24 x 0.20	2.4	8.0	8.8	94.0
5 x 0.75	24 x 0.20	2.4	8.9	9.7	113
6 x 0.75	24 x 0.20	2.4	9.6	10.4	129
7 x 0.75	24 x 0.20	2.4	9.7	10.5	137
2 x 1	32 x 0.20	2.5	7.2	8.0	70.0
3 x 1	32 x 0.20	2.5	7.8	8.6	88.0
4 x 1	32 x 0.20	2.5	8.4	9.2	106
5 x 1	32 x 0.20	2.5	9.4	10.2	128
6 x 1	32 x 0.20	2.5	10.2	11.0	148
7 x 1	32 x 0.20	2.5	10.4	11.2	158
2 x 1.5	30 x 0.25	2.8	8.2	9.0	92.0
3 x 1.5	30 x 0.25	2.8	8.5	9.3	109
4 x 1.5	30 x 0.25	2.8	9.2	10.0	134
5 x 1.5	30 x 0.25	2.8	10.1	10.9	162
6 x 1.5	30 x 0.25	2.8	11.0	12.0	188
7 x 1.5	30 x 0.25	2.8	11.0	12.0	202
10 x 1.5	30 x 0.25	2.8	13.8	14.8	293
12 x 1.5	30 x 0.25	2.8	14.4	15.4	348
14 x 1.5	30 x 0.25	2.8	15.6	16.6	405
16 x 1.5	30 x 0.25	2.8	16.8	17.8	482
18 x 1.5	30 x 0.25	2.8	17.6	18.6	536
19 x 1.5	30 x 0.25	2.8	18.0	19.0	566
20 x 1.5	30 x 0.25	2.8	18.9	19.9	600
24 x 1.5	30 x 0.25	2.8	20.8	21.8	740
27 x 1.5	30 x 0.25	2.8	21.2	22.2	836
37 x 1.5	30 x 0.25	2.8	23.8	24.8	1150
2 x 2.5	50 x 0.25	3.4	9.8	10.8	147
3 x 2.5	50 x 0.25	3.4	10.2	11.2	165
4 x 2.5	50 x 0.25	3.4	11.1	12.1	204
5 x 2.5	50 x 0.25	3.4	12.1	13.1	245
6 x 2.5	50 x 0.25	3.4	13.3	14.3	293
7 x 2.5	50 x 0.25	3.4	13.3	14.3	316
12 x 2.5	50 x 0.25	3.4	18.0	19.0	550
2 x 4	56 x 0.30	4.2	11.0	12.0	207
3 x 4	56 x 0.30	4.2	12.0	13.0	240
4 x 4	56 x 0.30	4.2	13.3	14.3	319
5 x 4	56 x 0.30	4.2	14.6	15.6	389
6 x 4	56 x 0.30	4.2	16.6	17.6	485
7 x 4	56 x 0.30	4.2	16.6	17.6	520
2 x 6	84 x 0.30	4.8	13.0	14.0	248
3 x 6	84 x 0.30	4.8	14.6	15.6	358
4 x 6	84 x 0.30	4.8	15.8	16.8	468
5 x 6	84 x 0.30	4.8	18.4	19.4	590
3 x 10	80 x 0.40	6.4	19.0	20.0	597
4 x 10	80 x 0.40	6.4	21.0	22.0	797
3 x 16	126 x 0.40	7.4	22.0	23.0	852
4 x 16	126 x 0.40	7.4	24.2	25.2	1137
4 x 25	196 x 0.40	9.6	29.5	30.5	1822

* For versions with an electrical screen (VMCBE-ECS, VMCBAL-ECS, BGVMCBE-ECS and BGVMCBAL-ECS), these diameters must be increased by 0.8 to 1 mm.

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