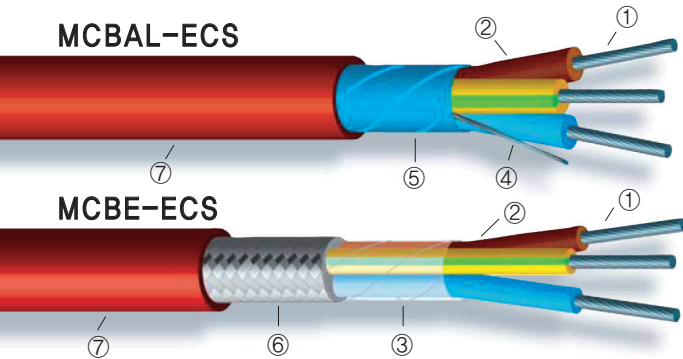


Heat-Resistance Cables

MCBE-ECS and MCBAL-ECS - 60°C to + 180°C

RoHS



- ① Tinned copper core – class 5 – IEC 228.
- ② Silicone rubber – type EI2 – HD 22.1.
- ③ Polyester separator tape.
- ④ Continuity wire.
- ⑤ Aluminium/PET tape screen.
- ⑥ Tinned copper electrical screening braid.
- ⑦ Silicone rubber outer sheath – type EI2 – HD 22.1.



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 the usual chemical atmospheres.

Electrical

- Working voltage : up to 600/1000V.
- Test voltage : 2500V.

Products

- Coding on insulated conductors : refer to table below.
- Outer sheath : brick red.
- Other colours : consult us.

Options

- Other cross-sections and flexibility classes : consult us.
- Red copper core : ref. MCBE-CS and MCBAL-CS
- Galvanized steel outer shielding : ref. BGMCBE-ECS and BGMCBAL-ECS.
- Silicone-coated fibreglass outer braid : ref. VMCBE-ECS and MCBAL-ECS.
- Silicone-coated fibreglass braid and galvanized steel shielding : ref. BGVMCBE-ECS and BGVMCBAL-ECS.

Packaging

- Rolls, spools or drums.

Approvals - standards

- VERITAS n° 2501 3832 C00 I.
- CNET-approved silicone insulation as per specification CM26.
- Halogen-free cable, meets requirements of test C1 of standard NF C 32-070
- CERCHAR report n° 10368/90 : silicone cables for explosive atmospheres as per IEC 79-14 and NF C 32-070.
- Fire behaviour : complies with standards IEC 332-1 and IEC 331.

Applications

- All wiring in hot environments up to 180°C.
- Wiring in metal industry, glassworks, etc.
- Wiring in furnaces, ovens, thermoplastics and rubber machines, welding sets, etc.
- Lighting, floodlights, etc.



Conductor colour coding - IEC 446

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 greys or blacks
6	green/yellow - black - brown - blue - 2 numbered greys or blacks	black - brown - blue - 3 numbered greys or blacks
7	green/yellow - black - brown - blue - 3 numbered greys or blacks etc.	black - brown - blue - 4 numbered greys or blacks etc.
	Option: for 6 or more conductors green/yellow and numbered greys or blacks	numbered greys or blacks

• Designation

The multiconductors without earthing wire are designated as follows : < Number of conductors > x < Cross-section > mm² (example: 3 x 1.5 mm²).

The multiconductors with earthing wire are marked by the symbol G in place of the x (e.g. 3 G 1.5 mm²).

Heat-Resistance Cables

- 60°C to + 180°C

MCBE-ECS and MCBAL-ECS

Insulated Conductors			Cable	
Nominal cross-section mm ²	Nominal stranding	Outer diameter mm	Nominal outer diameter mm	Approx. linear weight kg/km
2 x 05	16 x 0.20	2.1	6.4	45.5
3 x 05	16 x 0.20	2.1	6.8	50.5
4 x 05	16 x 0.20	2.1	7.6	68.5
5 x 05	16 x 0.20	2.1	8.5	80.0
6 x 05	16 x 0.20	2.1	9.1	95.0
7 x 05	16 x 0.20	2.1	9.1	102
2 x 0.75	24 x 0.20	2.4	6.9	55.5
3 x 0.75	24 x 0.20	2.4	7.3	64.0
4 x 0.75	24 x 0.20	2.4	8.1	84.0
5 x 0.75	24 x 0.20	2.4	9.0	101
6 x 0.75	24 x 0.20	2.4	9.7	117
7 x 0.75	24 x 0.20	2.4	9.8	125
2 x 1	32 x 0.20	2.5	7.3	61.8
3 x 1	32 x 0.20	2.5	8.0	78.0
4 x 1	32 x 0.20	2.5	8.5	95.0
5 x 1	32 x 0.20	2.5	9.5	116
6 x 1	32 x 0.20	2.5	10.3	135
7 x 1	32 x 0.20	2.5	10.5	144
2 x 15	30 x 0.25	2.8	8.2	82.0
3 x 15	30 x 0.25	2.8	8.6	98.0
4 x 15	30 x 0.25	2.8	9.4	122
5 x 15	30 x 0.25	2.8	10.2	148
6 x 15	30 x 0.25	2.8	11.0	173
7 x 15	30 x 0.25	2.8	11.0	187
10 x 15	30 x 0.25	2.8	13.8	267
12 x 15	30 x 0.25	2.8	14.4	320
14 x 15	30 x 0.25	2.8	15.8	370
16 x 15	30 x 0.25	2.8	17.0	427
18 x 15	30 x 0.25	2.8	17.8	486
19 x 15	30 x 0.25	2.8	17.8	513
20 x 15	30 x 0.25	2.8	18.7	540
24 x 15	30 x 0.25	2.8	20.6	650
27 x 15	30 x 0.25	2.8	21.0	730
37 x 15	30 x 0.25	2.8	23.6	1200
2 x 25	50 x 0.25	3.4	9.8	135
3 x 25	50 x 0.25	3.4	10.3	152
4 x 25	50 x 0.25	3.4	11.2	189
5 x 25	50 x 0.25	3.4	12.2	229
6 x 25	50 x 0.25	3.4	13.4	268
7 x 25	50 x 0.25	3.4	13.4	293
12 x 25	50 x 0.25	3.4	17.8	500
2 x 4	56 x 0.30	4.2	11.0	191
3 x 4	56 x 0.30	4.2	12.0	224
4 x 4	56 x 0.30	4.2	13.3	295
5 x 4	56 x 0.30	4.2	14.6	359
6 x 4	56 x 0.30	4.2	16.2	441
7 x 4	56 x 0.30	4.2	16.2	481
2 x 6	84 x 0.30	4.8	13.0	265
3 x 6	84 x 0.30	4.8	14.6	338
4 x 6	84 x 0.30	4.8	16.0	442
5 x 6	84 x 0.30	4.8	18.2	535
3 x 10	80 x 0.40	6.4	18.8	584
4 x 10	80 x 0.40	6.4	20.8	707
3 x 16	126 x 0.40	7.8	21.8	800
4 x 16	126 x 0.40	7.8	24.0	987
4 x 25	196 x 0.40	9.6	29.3	1430