SILICABLE®

MC-HRD

- 60 °C to + 180 °C

1 - Flexible tinned copper core - class 5 - IEC 60228.
2 - High mechanical properties silicone rubber.

CHARACTERISTICS

General

- Continuous working temperature: - 60 °C to + 180 °C
- **Excellent mechanical properties (increased tear, notch and cut resistance)**
- Good resistance to thermal shocks.
- Excellent weathering.
- Good resistance to usual chemical atmospheres.

Electrical

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

PRODUCTS

- Insulated conductor identification: see chart below.
- Outer sheath: black.
- Other colours: please contact us.

PACKAGING

- Coils, reels or drums.

OPTIONS

- Shielded cable, ref **MCBE-HRD**.
- Other cross-sections and flexibility classes: consult us.

APPROVAL - STANDARDS

- Halogen-free cable
- Fire resistance: meets standards IEC 60332-1 and IEC 60331.
- Low corrosivity of gases, as per standard IEC 60754-2.
- **Excellent tear and cut resistance (ISO 34-1 and NF C 93-522).**

APPLICATIONS

- All cabling in hot atmospheres, up to 180 °C.
- Cabling in the steel industry, glassworks, etc.
- Cabling for ovens, stoves, machines for thermoplastics and rubber, welding stations, etc.
- Lamps, floodlights, etc.

CONDUCTOR IDENTIFICATION - HD 308 S2

Number	With earthing wire	Without earthing wire
2	-	blue - brown
3	green/yellow - blue - brown	brown - black - grey
4	green/yellow - brown - black - grey	blue - brown - black - grey
5	green/yellow - blue - brown - black - grey	blue - brown - black - grey - black
6	green/yellow - blue - brown - black - grey - black	blue - brown - black - grey - black - grey
7	green/yellow - blue - brown - black - grey - black - grey	blue - brown - black - grey - black - grey - black
	etc.	etc.
	Optional: from 6 conductors	
	green/yellow and grey or numbered black	grey or numbered black

• Description

Multi-conductors without earthing wire are designated as follow: < Number of conductors > x < Section > mm2 (for example: 3 x 1.5 mm²).
Multi-conductors with earthing wire are marked by the symbol G instead of the X (for example 3 G 1.5 mm²).

Zone Industrielle - F 63600 AMBERT
Tel.: (33) 04 73 82 50 00 - Fax: (33) 04 73 82 50 10
omerin@omerin.com - www.omerin.com

omerin division principale

	INSULATED CONDUCTORS		CABLE	
Nominal cross-section mm^2	Nominal stranding	Outer diameter mm	Nominal outer diameter mm	Approx. linear weight kg/km
2 x 0.5	16 x 0.20	2.1	5.8	31
3 x 0.5	16 x 0.20	2.1	6.2	40
4 x 0.5	16 x 0.20	2.1	7.0	53
5 x 0.5	16 x 0.20	2.1	7.9	68
6 x 0.5	16 x 0.20	2.1	8.5	78
7 x 0.5	16 x 0.20	2.1	8.5	85
2 x 0.75	24 x 0.20	2.4	6.3	38
3 x 0.75	24 x 0.20	2.4	6.7	50
4 x 0.75	24 x 0.20	2.4	7.5	65
5 x 0.75	24 x 0.20	2.4	8.4	81
6 x 0.75	24 x 0.20	2.4	9.1	95
7 x 0.75	24 x 0.20	2.4	9.2	107
2 x 1	32 x 0.20	2.5	6.7	45
3 x 1	32 x 0.20	2.5	7.3	63
4 x 1	32 x 0.20	2.5	7.9	78
5 x 1	32 x 0.20	2.5	8.9	98
6 x 1	32 x 0.20	2.5	9.7	115
7 x 1	32 x 0.20	2.5	9.9	132
2 x 1.5	30 x 0.25	2.8	7.6	62
3 x 1.5	30 x 0.25	2.8	8.0	82
4 x 1.5	30 x 0.25	2.8	8.8	104
5 x 1.5	30 x 0.25	2.8	9.6	125
6 x 1.5	30 x 0.25	2.8	10.4	146
7 x 1.5	30 x 0.25	2.8	10.4	167
12 x 1.5	30 x 0.25	2.8	13.8	274
19 x 1.5	30 x 0.25	2.8	17.0	439
24 x 1.5	30 x 0.25	2.8	19.8	547
2 x 2.5	50 x 0.25	3.4	9.2	95
3 x 2.5	50 x 0.25	3.4	9.7	127
4 x 2.5	50 x 0.25	3.4	10.6	160
5 x 2.5	50 x 0.25	3.4	11.6	194
6 x 2.5	50 x 0.25	3.4	12.8	233
7 x 2.5	50 x 0.25	3.4	12.8	262
12 x 2.5	50 x 0.25	3.4	17.0	438
2 x 4	56 x 0.30	4.2	10.4	128
3 x 4	56 x 0.30	4.2	11.4	185
4 x 4	56 x 0.30	4.2	12.7	241
5 x 4	56 x 0.30	4.2	14.0	295
6 x 4	56 x 0.30	4.2	15.6	359
7 x 4	56 x 0.30	4.2	15.6	405
2 x 6	84 x 0.30	4.8	12.4	191
3 x 6	84 x 0.30	4.8	14.0	284
4 x 6	84 x 0.30	4.8	15.2	358
5 x 6	84 x 0.30	4.8	17.4	459
3 x 10	80 x 0.40	6.4	18.0	460
4 x 10	80 x 0.40	6.4	20.0	596
5 x 10	80 x 0.40	6.4	22.0	728
3 x 16	126 x 0.40	7.8	21.0	672
4 x 16	126 x 0.40	7.8	23.2	868
5 x 16	126 x 0.40	7.8	25.6	1066
3 x 25	196 x 0.40	9.6	25.9	1028
4 x 25	196 x 0.40	9.6	28.5	1322
5 x 25	196 x 0.40	9.6	31.4	1620

Zone Industrielle - F 63600 AMBERT
Tel.: (33) 04 73 82 50 00 - Fax: (33) 04 73 82 50 10
omerin@omerin.com - www.omerin.com