

# SILICABLE®

## MCBE-HRD

- 60 °C to + 180 °C

### 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

- Non-shielded cable, ref **MC-HRD**.
- Other cross-sections and flexibility classes: consult us.

- 1 - Flexible tinned copper core - class 5 - IEC 60228.
- 2 - High mechanical properties silicone rubber.
- 3 - Tinned copper electrical screening braid.

### 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 iron 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.
	<b>Optional: from 6 conductors</b>	
	green/yellow and grey or numbered black	grey or numbered black

#### • Description

Multi-conductors without earthing wire are designated as follows: < Number of conductors > x < Section > mm<sup>2</sup> (for example: 3 x 1.5 mm<sup>2</sup>).

Multi-conductors with earthing wire are marked by the symbol G instead of the X (for example 3 G 1.5 mm<sup>2</sup>).

INSULATED CONDUCTORS			CABLE	
Nominal cross-section mm <sup>2</sup>	Nominal stranding	Outer diameter mm	Nominal outer diameter mm	Approx. linear weight kg/km
2 x 0.5	16 x 0.20	2.1	6.4	51
3 x 0.5	16 x 0.20	2.1	6.8	63
4 x 0.5	16 x 0.20	2.1	7.6	78
5 x 0.5	16 x 0.20	2.1	8.5	96
6 x 0.5	16 x 0.20	2.1	9.1	108
7 x 0.5	16 x 0.20	2.1	9.1	116
2 x 0.75	24 x 0.20	2.4	6.9	61
3 x 0.75	24 x 0.20	2.4	7.3	75
4 x 0.75	24 x 0.20	2.4	8.1	93
5 x 0.75	24 x 0.20	2.4	9.0	113
6 x 0.75	24 x 0.20	2.4	9.7	129
7 x 0.75	24 x 0.20	2.4	9.8	142
2 x 1	32 x 0.20	2.5	7.3	70
3 x 1	32 x 0.20	2.5	8.0	91
4 x 1	32 x 0.20	2.5	8.5	107
5 x 1	32 x 0.20	2.5	9.5	131
6 x 1	32 x 0.20	2.5	10.3	152
7 x 1	32 x 0.20	2.5	10.5	169
2 x 1.5	30 x 0.25	2.8	8.2	89
3 x 1.5	30 x 0.25	2.8	8.6	111
4 x 1.5	30 x 0.25	2.8	9.4	137
5 x 1.5	30 x 0.25	2.8	10.2	162
6 x 1.5	30 x 0.25	2.8	11.0	191
7 x 1.5	30 x 0.25	2.8	11.0	209
12 x 1.5	30 x 0.25	2.8	14.4	335
19 x 1.5	30 x 0.25	2.8	17.8	537
24 x 1.5	30 x 0.25	2.8	20.6	664
2 x 2.5	50 x 0.25	3.4	9.8	128
3 x 2.5	50 x 0.25	3.4	10.3	162
4 x 2.5	50 x 0.25	3.4	11.2	204
5 x 2.5	50 x 0.25	3.4	12.2	243
6 x 2.5	50 x 0.25	3.4	13.4	287
7 x 2.5	50 x 0.25	3.4	13.4	317
12 x 2.5	50 x 0.25	3.4	17.8	537
2 x 4	56 x 0.30	4.2	11.0	173
3 x 4	56 x 0.30	4.2	12.0	233
4 x 4	56 x 0.30	4.2	13.3	295
5 x 4	56 x 0.30	4.2	14.6	355
6 x 4	56 x 0.30	4.2	16.2	442
7 x 4	56 x 0.30	4.2	16.2	488
2 x 6	84 x 0.30	4.8	13.0	243
3 x 6	84 x 0.30	4.8	14.6	340
4 x 6	84 x 0.30	4.8	16.0	426
5 x 6	84 x 0.30	4.8	18.2	553
3 x 10	80 x 0.40	6.4	18.8	559
4 x 10	80 x 0.40	6.4	20.8	707
5 x 10	80 x 0.40	6.4	22.8	852
3 x 16	126 x 0.40	7.8	21.8	791
4 x 16	126 x 0.40	7.8	24.0	1002
5 x 16	126 x 0.40	7.8	26.4	1214
3 x 25	196 x 0.40	9.6	26.7	1174
4 x 25	196 x 0.40	9.6	29.5	1527
5 x 25	196 x 0.40	9.6	32.4	1848



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