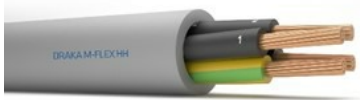


# M-Flex HH 300/500 V

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## Construction data

Conductor category	Class 5 = flexible
Stranding element	No
Core insulation	XLPE (VPE)
Core identification	Numbers
Screen over stranding	None
Material outer sheath	Copolymer, thermoplastic
Colour outer sheath	Grey

## Properties

Halogen free (acc. EN 60754-1/2)	Yes
Flame retardant	In accordance with EN 60332-1-2
Low smoke (acc. EN 61034-2)	Yes
Low temperature resistant (acc. EN 60811-504+505+506)	No
Oil resistant (acc. EN 60811-404)	No
Permitted cable outer temperature, in movement	-15 / 70 °C
Permitted cable outer temperature, fixed	-40 / 80 °C

## Electrical

Nominal voltage U <sub>0</sub>	300 V
Nominal voltage U	500 V

# M-Flex HH 300/500 V

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## Product Range

Product nr.	Nominal cross section conductor (mm <sup>2</sup> )	Nominal diameter over insulation (mm)	Nominal overall diameter (mm)	Minimum bending radius (mm)	Maximum tensile strength (N)	Approx. weight (kg/km)
132149	2x0,75	2,0	5,6	30	22	36
132177	2x1	2,2	5,9	30	30	42
132136	2x1,5	2,5	6,6	35	45	55
132161	2x2,5	3,1	7,7	40	75	80
132150	3x0,75	2,0	5,9	30	33	46
132178	3x1	2,2	6,3	35	45	55
132138	3x1,5	2,5	7,0	35	67	75
132162	3x2,5	3,1	8,2	45	110	105
132151	4x0,75	2,0	6,4	35	45	60
132179	4x1	2,2	6,8	35	60	70
132139	4x1,5	2,5	7,7	40	90	90
132163	4x2,5	3,1	9,0	45	150	135
132152	5x0,75	2,0	7,0	35	56	70
132180	5x1	2,2	7,5	40	75	85
132140	5x1,5	2,5	8,4	45	110	115
132164	5x2,5	3,1	10,3	55	185	175
132588	6x1	2,2	8,1	45	90	100
132153	7x0,75	2,0	7,6	40	78	90
132181	7x1	2,2	8,1	45	105	110
132142	7x1,5	2,5	9,2	50	155	145
132165	7x2,5	3,1	11,2	60	260	230
132587	8x0,75	2,0	8,3	45	90	100
132589	10x1	2,2	10,6	55	150	160
132154	12x0,75	2,0	10,3	55	135	155
132182	12x1	2,2	11,0	55	180	185
132141	12x1,5	2,5	12,4	75	270	245
132166	12x2,5	3,1	15,1	95	450	385
132218	14x1,5	2,5	13,1	80	315	285
132214	18x0,75	2,0	12,1	75	200	220
132217	18x1,5	2,5	15,1	95	405	375
132215	25x0,75	2,0	14,8	90	280	305
132216	25x1,5	2,5	18,0	110	560	500

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# M-Flex HH 300/500 V

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## Electrical features

Product nr.	Nominal cross section conductor (mm <sup>2</sup> )	Conductor resistance at 20 °C, DC (ohm/km)	Conductor resistance at 80 °C, 50 Hz (ohm/km)	Maximum current rating <sup>1</sup> (A)	Capacitance between adjacent cores
132149	2x0,75	26,0	-	-	-
132177	2x1	19,5	-	-	-
132136	2x1,5	13,3	-	-	-
132161	2x2,5	7,98	-	-	-
132150	3x0,75	26,0	-	-	-
132178	3x1	19,5	-	-	-
132138	3x1,5	13,3	-	-	-
132162	3x2,5	7,98	-	-	-
132151	4x0,75	26,0	-	-	-
132179	4x1	19,5	-	-	-
132139	4x1,5	13,3	-	-	-
132163	4x2,5	7,98	-	-	-
132152	5x0,75	26,0	-	-	-
132180	5x1	19,5	-	-	-
132140	5x1,5	13,3	-	-	-
132164	5x2,5	7,98	-	-	-
132588	6x1	19,5	-	-	-
132153	7x0,75	26,0	-	-	-
132181	7x1	19,5	-	-	-
132142	7x1,5	13,3	-	-	-
132165	7x2,5	7,98	-	-	-
132587	8x0,75	26,0	-	-	-
132589	10x1	19,5	-	-	-
132154	12x0,75	26,0	-	-	-
132182	12x1	19,5	-	-	-
132141	12x1,5	13,3	-	-	-
132166	12x2,5	7,98	-	-	-
132218	14x1,5	13,3	-	-	-
132214	18x0,75	26,0	-	-	-
132217	18x1,5	13,3	-	-	-
132215	25x0,75	26,0	-	-	-
132216	25x1,5	13,3	-	-	-

1) The maximum current rating applies to one cable in free air, at an ambient temperature of 30 °C, according to NPR 3627 and NEN 1010-5: 1996, table 8.52-C5. Correction factors for other ambient temperatures are given in table 8.52-D.