

# M-Flex HCH 300/500 V



**This page is under construction**

## Construction data

Conductor category	Class 5 = flexible
Stranding element	No
Core insulation	XLPE (VPE)
Core identification	Numbers
Screen over stranding	Braiding
Material outer sheath	Copolymer, thermoplastic

## 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

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### Product Range

Product nr.	Nominal cross section conductor (mm <sup>2</sup> )	Nominal diameter over insulation (mm)	Colour outer sheath	Nominal overall diameter (mm)	Minimum bending radius (mm)	Maximum tensile strength (N)	Approx. weight (kg/km)
132155	2x0,75	2,0	Grey	6,3	35	22	55
132574	2x0,75	2,0	Blue	6,3	35	22	55
132184	2x1	2,2	Grey	6,6	35	30	60
132143	2x1,5	2,5	Grey	7,3	40	45	75
132167	2x2,5	3,1	Grey	8,4	45	75	100
132156	3x0,75	2,0	Grey	6,6	35	33	65
132575	3x0,75	2,0	Blue	6,6	35	33	65
132188	3x1	2,2	Grey	7,0	35	45	75
132144	3x1,5	2,5	Grey	7,7	40	67	90
132168	3x2,5	3,1	Grey	8,9	45	110	130
132157	4x0,75	2,0	Grey	7,1	40	45	80
132576	4x0,75	2,0	Blue	7,1	40	45	80
132413	4x1	2,2	Grey	7,5	40	60	90
132145	4x1,5	2,5	Grey	8,4	45	90	115
132171	4x2,5	3,1	Grey	10,1	55	150	170
132158	5x0,75	2,0	Grey	7,7	40	56	90
132189	5x1	2,2	Grey	8,2	45	75	110
132146	5x1,5	2,5	Grey	9,1	50	110	135
132172	5x2,5	3,1	Grey	11,0	55	185	205
132159	7x0,75	2,0	Grey	8,3	45	78	110
132577	7x0,75	2,0	Blue	8,3	45	78	110
132190	7x1	2,2	Grey	8,8	45	105	135
132147	7x1,5	2,5	Grey	10,3	55	155	180
132173	7x2,5	3,1	Grey	11,9	60	260	260
132590	8x1	2,2	Grey	9,5	50	120	145
132578	12x0,75	2,0	Blue	11,0	55	135	180
132160	12x0,75	2,0	Grey	11,0	55	135	180
132021	12x1	2,2	Grey	11,7	60	180	215
132148	12x1,5	2,5	Grey	13,1	80	270	280
132219	18x0,75	2,0	Grey	12,7	80	200	250
132221	18x1,5	2,5	Grey	15,7	95	405	415
132220	25x0,75	2,0	Grey	15,4	95	280	345

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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
132155	2x0,75	26,0	-	-	-
132574	2x0,75	26,0	-	-	-
132184	2x1	19,5	-	-	-
132143	2x1,5	13,3	-	-	-
132167	2x2,5	7,98	-	-	-
132156	3x0,75	26,0	-	-	-
132575	3x0,75	26,0	-	-	-
132188	3x1	19,5	-	-	-
132144	3x1,5	13,3	-	-	-
132168	3x2,5	7,98	-	-	-
132157	4x0,75	26,0	-	-	-
132576	4x0,75	26,0	-	-	-
132413	4x1	19,5	-	-	-
132145	4x1,5	13,3	-	-	-
132171	4x2,5	7,98	-	-	-
132158	5x0,75	26,0	-	-	-
132189	5x1	19,5	-	-	-
132146	5x1,5	13,3	-	-	-
132172	5x2,5	7,98	-	-	-
132159	7x0,75	26,0	-	-	-
132577	7x0,75	26,0	-	-	-
132190	7x1	19,5	-	-	-
132147	7x1,5	13,3	-	-	-
132173	7x2,5	7,98	-	-	-
132590	8x1	19,5	-	-	-
132578	12x0,75	26,0	-	-	-
132160	12x0,75	26,0	-	-	-
132021	12x1	19,5	-	-	-
132148	12x1,5	13,3	-	-	-
132219	18x0,75	26,0	-	-	-
132221	18x1,5	13,3	-	-	-
132220	25x0,75	26,0	-	-	-

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.