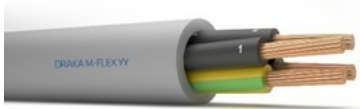


# M-Flex YY 300/500 V

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## Construction data

Conductor category	Class 5 = flexible
Stranding element	No
Core insulation	PVC
Screen over stranding	None
Material outer sheath	PVC
Colour outer sheath	Grey

## Properties

Halogen free (acc. EN 60754-1/2)	No
Flame retardant	In accordance with EN 60332-1-2
Low smoke (acc. EN 61034-2)	No
Low temperature resistant (acc. EN 60811-504+505+506)	No
Oil resistant (acc. EN 60811-404)	No
Permitted cable outer temperature, in movement	-5 / 60 °C
Permitted cable outer temperature, fixed	-5 / 80 °C

## Electrical

# M-Flex YY 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)
126479	2x0,5	1,8	4,8	25	15	26
126494	2x0,75	1,9	5,6	30	22	36
126504	2x1	2,1	5,9	30	30	42
126516	2x1,5	2,5	6,6	35	45	55
131966	2x2,5	3,1	7,7	40	75	80
126480	3x0,5	1,8	5,1	30	22	34
126474	3x0,75	1,9	5,9	30	33	47
126505	3x1	2,1	6,3	35	45	60
126475	3x1,5	2,5	7,0	35	67	75
131965	3x2,5	3,1	8,2	45	110	110
126481	4x0,5	1,8	6,0	30	30	47
126495	4x0,75	1,9	6,4	35	45	60
126506	4x1	2,1	6,8	35	60	70
126517	4x1,5	2,5	7,7	40	90	95
131964	4x2,5	3,1	9,0	45	150	140
126482	5x0,5	1,8	6,5	35	37	60
126496	5x0,75	1,9	7,0	35	56	75
126507	5x1	2,1	7,5	40	75	90
126518	5x1,5	2,5	8,4	45	110	120
131963	5x2,5	3,1	10,3	55	185	185
126483	6x0,5	1,8	7,0	35	45	70
126497	6x0,75	1,9	7,6	40	67	90
126508	6x1	2,1	8,1	45	90	105
126519	6x1,5	2,5	9,1	50	135	140
131962	6x2,5	3	11,2	60	225	220
126484	7x0,5	1,8	7,1	40	52	75
126498	7x0,75	1,9	7,6	40	78	95
126509	7x1	2,1	8,1	45	105	115
126520	7x1,5	2,5	9,2	50	155	150
131961	7x2,5	3,1	11,2	60	260	235
126485	8x0,5	1,8	7,7	40	60	85
126499	8x0,75	1,9	8,3	45	90	105
126510	8x1	2,1	8,8	45	120	125
126521	8x1,5	2,5	10,4	55	180	180
131950	8x2,5	3,1	12,2	75	300	265
126486	10x0,5	1,8	8,8	45	75	100
126500	10x0,75	1,9	10,0	50	110	140
126511	10x1	2,1	10,6	55	150	165
126522	10x1,5	2,5	12,0	60	225	220
131949	10x2,5	3,1	14,6	90	375	340
126487	12x0,5	1,8	9,1	50	90	120
126501	12x0,75	1,9	10,3	55	135	160
126512	12x1	2,1	11,0	55	180	190
126523	12x1,5	2,5	12,4	75	270	255
131946	12x2,5	3,1	15,1	95	450	400
126514	18x1	2,1	12,5	75	270	290
126525	18x1,5	2,5	14,9	90	405	405
126491	25x0,5	1,8	13,1	80	185	255

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## M-Flex YY 300/500 V

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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)
126515	25x1	2,1	15,3	95	375	400
126526	25x1,5	2,5	17,8	110	560	550

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# M-Flex YY 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
126479	2x0,5	39,0	48,204	3	140
126494	2x0,75	26,0	32,136	6	150
126504	2x1	19,5	24,102	10	160
126516	2x1,5	13,3	16,4388	16	170
131966	2x2,5	7,98	-	-	-
126480	3x0,5	39,0	48,204	3	140
126474	3x0,75	26,0	32,136	6	150
126505	3x1	19,5	24,102	10	160
126475	3x1,5	13,3	16,4388	16	170
131965	3x2,5	7,98	-	-	-
126481	4x0,5	39,0	48,204	3	140
126495	4x0,75	26,0	32,136	5	150
126506	4x1	19,5	24,102	9	160
126517	4x1,5	13,3	16,4388	14	170
131964	4x2,5	7,98	-	-	-
126482	5x0,5	39,0	48,204	3	140
126496	5x0,75	26,0	32,136	5	150
126507	5x1	19,5	24,102	9	160
126518	5x1,5	13,3	16,4388	14	170
131963	5x2,5	7,98	-	-	-
126483	6x0,5	39,0	48,204	-	140
126497	6x0,75	26,0	32,136	4	150
126508	6x1	19,5	24,102	7	160
126519	6x1,5	13,3	16,4388	-	170
131962	6x2,5	7,98	-	-	-
126484	7x0,5	39,0	48,204	-	140
126498	7x0,75	26,0	32,136	4	150
126509	7x1	19,5	24,102	7	160
126520	7x1,5	13,3	16,4388	11	170
131961	7x2,5	7,98	-	-	-
126485	8x0,5	39,0	48,204	2	140
126499	8x0,75	26,0	32,136	4	150
126510	8x1	19,5	24,102	6	160
126521	8x1,5	13,3	16,4388	10	170
131950	8x2,5	7,98	-	-	-
126486	10x0,5	39,0	48,204	1	140
126500	10x0,75	26,0	32,136	3	150
126511	10x1	19,5	24,102	5	160
126522	10x1,5	13,3	16,4388	9	170
131949	10x2,5	7,98	-	-	-
126487	12x0,5	39,0	48,204	-	140
126501	12x0,75	26,0	32,136	3	150
126512	12x1	19,5	24,102	5	160
126523	12x1,5	13,3	16,4388	9	170
131946	12x2,5	7,98	-	-	-
126514	18x1	19,5	24,102	5	160
126525	18x1,5	13,3	16,4388	7	170
126491	25x0,5	39,0	48,204	1	140

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## M-Flex YY 300/500 V

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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
126515	25x1	19,5	24,102	4	160
126526	25x1,5	13,3	16,4388	6	170

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.