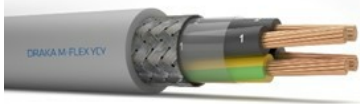


# M-Flex YCY 300/500 V



**This page is under construction**

## Construction data

Conductor category	Class 5 = flexible
Stranding element	No
Core insulation	PVC
Core identification	Numbers
Screen over stranding	Braiding
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

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

# M-Flex YCY 300/500 V

## 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)
126625	2x0,5	1,8	5,9	30	15	46
126637	2x0,75	1,9	6,3	35	22	55
126650	2x1	2,1	6,6	35	30	60
126476	2x1,5	2,5	7,3	40	45	75
131960	2x2,5	3,1	8,4	45	75	100
126626	3x0,5	1,8	6,2	35	22	55
126638	3x0,75	1,9	6,6	35	33	65
126651	3x1	2,1	7,0	35	45	75
126661	3x1,5	2,5	7,7	40	67	95
131959	3x2,5	3,1	8,9	45	110	135
126889	4x0,5	1,8	6,4	35	30	60
126627	4x0,5	1,8	6,7	35	30	65
126639	4x0,75	1,9	7,1	40	45	80
126890	4x0,75	1,9	6,9	35	45	75
126652	4x1	2,1	7,5	40	60	90
126662	4x1,5	2,5	8,4	45	90	115
131958	4x2,5	3,1	10,1	55	150	175
126628	5x0,5	1,8	7,2	40	37	80
126640	5x0,75	1,9	7,7	40	56	95
126653	5x1	2,1	8,2	45	75	110
126663	5x1,5	2,5	9,1	50	110	140
131957	5x2,5	3,1	11,0	55	185	210
126629	6x0,5	1,8	7,7	40	45	90
126641	6x0,75	1,9	8,3	45	67	110
126654	6x1	2,1	8,8	45	90	130
131925	6x1,5	2,5	10,2	55	135	175
131956	6x2,5	3,1	11,9	60	225	250
126630	7x0,5	1,8	7,8	40	52	95
126642	7x0,75	1,9	8,3	45	78	115
126655	7x1	2,1	8,8	45	105	135
126664	7x1,5	2,5	10,3	55	155	185
131953	7x2,5	3,1	11,9	60	260	270
126631	8x0,5	1,8	8,4	45	60	105
126643	8x0,75	1,9	9,0	45	90	130
126656	8x1	2,1	9,5	50	120	155
126665	8x1,5	2,5	11,1	60	180	210
131951	8x2,5	3,1	12,9	80	300	300
126632	10x0,5	1,8	9,5	50	75	130
131890	10x0,75	1,9	10,7	55	110	165
126657	10x1	2,1	11,3	60	150	200
126666	10x1,5	2,5	12,7	80	225	255
131948	10x2,5	3,1	15,3	95	375	380
126633	12x0,5	1,8	10,2	55	90	155
126645	12x0,75	1,9	11,0	55	135	185
126658	12x1	2,1	11,7	60	180	225
126667	12x1,5	2,5	13,1	80	270	290
131947	12x2,5	3,1	15,8	95	450	440
126634	18x0,5	1,8	11,8	60	135	215

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# M-Flex YCY 300/500 V

## 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)	Mutual inductance (mH/km)	Capacitance between adjacent cores (nF/km)	Capacitance between 1 core and screen (nF/km)
126625	2x0,5	39,0	48,204	3	-	140	240
126637	2x0,75	26,0	32,136	6	-	150	255
126650	2x1	19,5	24,102	10	-	190	340
126476	2x1,5	13,3	16,4388	16	-	190	340
131960	2x2,5	7,98	-	-	-	-	-
126626	3x0,5	39,0	48,204	3	-	140	240
126638	3x0,75	26,0	32,136	6	-	150	255
126651	3x1	19,5	24,102	10	-	190	340
126661	3x1,5	13,3	16,4388	16	-	190	340
131959	3x2,5	7,98	-	-	-	-	-
126889	4x0,5	39,0	48,204	3	-	140	240
126627	4x0,5	39,0	48,204	3	-	140	240
126639	4x0,75	26,0	32,136	5	-	150	255
126890	4x0,75	26,0	32,136	5	-	150	255
126652	4x1	19,5	24,102	9	-	190	340
126662	4x1,5	13,3	16,4388	14	-	190	340
131958	4x2,5	7,98	-	-	-	-	-
126628	5x0,5	39,0	48,204	3	-	140	240
126640	5x0,75	26,0	32,136	5	-	150	255
126653	5x1	19,5	24,102	9	-	190	340
126663	5x1,5	13,3	16,4388	14	-	190	340
131957	5x2,5	7,98	-	-	-	-	-
126629	6x0,5	39,0	48,204	2,5	-	140	240
126641	6x0,75	26,0	32,136	4	-	150	255
126654	6x1	19,5	24,102	7	-	190	340
131925	6x1,5	13,3	-	-	-	-	-
131956	6x2,5	7,98	-	-	-	-	-
126630	7x0,5	39,0	48,204	2	-	140	240
126642	7x0,75	26,0	32,136	4	-	150	255
126655	7x1	19,5	24,102	7	-	190	340
126664	7x1,5	13,3	16,4388	11	-	190	340
131953	7x2,5	7,98	-	-	-	-	-
126631	8x0,5	39,0	48,204	2	-	140	240
126643	8x0,75	26,0	32,136	4	-	150	255
126656	8x1	19,5	24,102	6	-	190	340
126665	8x1,5	13,3	16,4388	10	-	190	340
131951	8x2,5	7,98	-	-	-	-	-
126632	10x0,5	39,0	48,204	-	-	140	240
131890	10x0,75	26,0	-	-	-	-	-
126657	10x1	19,5	24,102	-	-	190	340
126666	10x1,5	13,3	16,4388	-	-	190	340
131948	10x2,5	7,98	-	-	-	-	-
126633	12x0,5	39,0	48,204	1	-	140	240
126645	12x0,75	26,0	32,136	3	-	150	255
126658	12x1	19,5	24,102	5	-	190	340
126667	12x1,5	13,3	16,4388	9	-	190	340
131947	12x2,5	7,98	-	-	-	-	-
126634	18x0,5	39,0	48,204	1	-	140	240

<sup>1</sup>) De toelaatbare stroom is van toepassing voor 1 leiding in de vrije lucht, bij 30 °C, volgens NPR 3627 en NEN 1010-5: 1996, tabel 8.52-C5. Correctiefactoren voor andere omgevingstemperaturen zijn gegeven in tabel 8.52-D.

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