



YmvK-mb Cable 600/1000V to KEMA K42 & IEC60502

Applications:	Power transmission, suitable for outdoors.
Voltage rating:	0.6 / 1 kV
Sheath colour:	Grey (RAL 7042)
Conductor:	Copper (class 1 or 2)
Insulation:	XLPE
Bedding:	Special filler plastic
Outer sheath:	PVC (Polyvinyl-Chloride) Fire Resistant to BSEN50266
Conductor identification:	2 core – Brown and Blue 3 core – Brown, Blue and Green / Yellow 4 core – Black, Grey, Brown and Green / Yellow 5 core – Black, Blue, Brown, Grey and Green / Yellow Optional: 4 core - Black, Brown, Blue and Green / Yellow
Operating temperature:	Maximum 90°C, minimum bending 0°C Short circuit temperature 250°C
Minimum bending radius:	10 x overall diameter
Conductor class:	RE – Class 1 cu RM – Class 2 cu
Test voltage:	3500V
Designation:	Y – XLPE conductor insulation M – stranded conductors V – PVC inner sheathing K Mb – flame resistant
Approvals:	KEMA approved
Standards:	Product standard: TS HD 604 S1 Fire conditions tests: EN 60332-3.24 Category C Conductor and resistant: HD 383 / HD 605 -3.1.1 / BS EN 60228 Chart 2 Ageing test: TS HD 601 S1 / EN 60811-1-2 clause 9.1-9.2 Hotset tests: TS HD 601 S1 / EN 60811-2-1 clause 9



Cross Section mm ²	RE / RM	Cores max resistance valves ohm/km	Energy carry capacity A	Insulation Thickness mm	Outer sheath thickness mm	Bedding diameter mm	Outer diameter mm	BATT Part No
1X6	RE	3.08	72	0.7	1.4	—	6.87	-
1X10	RM	1.83	99	0.7	1.4	—	7.65	-
1X16	RM	1.15	131	0.7	1.4	—	9.09	-
1X25	RM	0.727	177	0.9	1.4	—	10.6	-
1X35	RM	0.524	217	0.9	1.4	—	11.65	-
1X50	RM	0.387	265	1	1.4	—	13	-
1X70	RM	0.268	336	1.1	1.4	—	14.9	-
1X95	RM	0.193	415	1.1	1.5	—	16.8	-
1X120	RM	0.153	485	1.2	1.5	—	18	-
1X150	RM	0.124	557	1.4	1.6	—	20.3	-
1X185	RM	0.0991	647	1.6	1.6	—	22.5	-
1X240	RM	0.0754	775	1.7	1.7	—	25.5	-
2X1.5	RE	12.10	25	0.7	1.8	6.12	9.72	16592
2X2.5	RE	7.41	34	0.7	1.8	7.02	10.62	16698
2X4	RE	4.61	44	0.7	1.8	8	11.6	-
2X6	RE	3.08	57	0.7	1.8	8.94	12.54	-
2X10	RM	1.83	77	0.7	1.8	10.9	14.5	-
2X16	RM	1.15	—	0.7	1.8	14.18	17.78	-

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2X25	RM	0.727	—	0.9	1.8	17.2	20.8	-
3X1.5	RE	12.10	24	0.7	1.8	6.4616	10.0616	16699
3X2.5	RE	7.41	32	0.7	1.8	7.2824	10.8824	16700
3X4	RE	4.61	42	0.7	1.8	8.276	11.876	16487
3X6	RE	3.08	53	0.7	1.8	9.3912	12.9912	-
3X10	RM	1.83	73	0.7	1.8	11.276	14.876	-
3X16	RM	1.15	97	0.7	1.8	14.7864	18.3864	-
3X25	RM	0.727	132	0.9	1.8	18.448	22.048	-
3X35	RM	0.524	162	0.9	1.8	20.716	24.316	-
3X50	RM	0.387	197	1	1.8	23.632	27.232	-
3X70	RM	0.268	250	1.1	1.9	27.736	31.536	-
3X95	RM	0.193	308	1.1	2	31.408	35.408	-
3X120	RM	0.153	359	1.2	2.1	34.4	38.6	-
3X150	RM	0.124	412	1.4	2.3	38.936	43.536	-
3X185	RM	0.0991	475	1.6	2.4	43.688	48.488	-
3X240	RM	0.0754	564	1.7	2.6	49.736	54.936	-
4X1.5	RE	12.10	24	0.7	1.8	7.1516	10.7516	16701
4X2.5	RE	7.41	32	0.7	1.8	8.1674	11.7674	16147
4X4	RE	4.61	42	0.7	1.8	9.476	13.076	16703
4X6	RE	3.08	53	0.7	1.8	10.6087	14.2087	16704
4X10	RM	1.83	73	0.7	1.8	12.8885	16.4885	16705
4X16	RM	1.15	97	0.7	1.8	16.7589	20.3589	-
4X25	RM	0.727	132	0.9	1.8	20.398	23.998	-
4X35	RM	0.524	162	0.9	1.8	22.9285	26.5285	-
4X50	RM	0.387	197	1	1.9	26.182	29.982	-
4X70	RM	0.268	250	1.1	2	30.761	34.761	-
4X95	RM	0.193	308	1.1	2.1	35.258	39.458	-
4X120	RM	0.153	359	1.2	2.3	38.15	42.75	-
4X150	RM	0.124	412	1.4	2.4	43.611	48.411	-
4X185	RM	0.0991	475	1.6	2.6	48.913	54.113	-
4X240	RM	0.0754	564	1.7	2.8	56.061	61.661	-
5X1.5	RE	12.10	24	0.7	1.8	8.052	11.652	16706
5X2.5	RE	7.41	32	0.7	1.8	9.078	12.678	16271
5X4	RE	4.61	42	0.7	1.8	10.52	14.12	16707
5X6	RE	3.08	53	0.7	1.8	11.789	15.389	16272
5X10	RM	1.83	73	0.7	1.8	14.295	17.895	-
5X16	RM	1.15	97	0.7	1.8	18.183	21.783	-
5X25	RM	0.727	132	0.9	1.8	23.06	26.66	-
5X35	RM	0.524	162	0.9	1.8	25.895	29.495	-
5X50	RM	0.387	197	1	2	29.14	33.14	-
5X70	RM	0.268	250	1.1	2.1	34.27	38.47	-
5X95	RM	0.193	308	1.1	2.3	39.26	43.86	-
5X120	RM	0.153	355	1.2	2.6	44.4	49.6	-
5x150	RM	0.124	390	1.4	2.8	49.7	55.3	-
6x1.5	RE	-	-	0.7	1.8	-	12.9	-
6x2.5	RE	-	-	0.7	1.8	-	14.1	-
7x1.5	RE	12.1	-	0.7	1.8	8.9	12.5	16970
7x2.5	RE	7.41	-	0.7	1.8	10.1	13.7	16971
8x1.5	RE	-	-	0.7	1.8	-	14.0	-
8x2.5	RE	-	-	0.7	1.8	-	15.7	-
10x1.5	RE	12.1	-	0.7	1.8	11.7	15.3	16972
10x2.5	RE	-	-	0.7	1.8	-	17.8	-
12x1.5	RE	12.1	-	0.7	1.8	12.2	15.8	16973

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12x2.5	RE	7.41	-	0.7	1.8	13.9	17.5	16974
16x1.5	RE	12.1	-	0.7	1.8	13.7	17.3	16977
16x2.5	RE	-	-	0.7	1.8	-	20.4	-
19x1.5	RE	12.1	-	0.7	1.8	14.5	18.1	16975
19x2.5	RE	7.41	-	0.7	1.8	16.5	20.1	16976
24x1.5	RE	12.1	-	0.7	1.8	17.3	20.9	16978
24x2.5	RE	-	-	0.7	1.8	-	24.6	-
27x1.5	RE	-	-	0.7	1.8	-	22.6	-
27x2.5	RE	-	-	0.7	1.8	-	25.1	-
30x1.5	RE	12.1	-	0.7	1.8	18.5	22.1	16979
30x2.5	RE	-	-	0.7	1.8	-	25.9	-
37x1.5	RE	-	-	0.7	1.8	-	25.0	-
37x2.5	RE	-	-	0.7	1.8	-	28.2	-

RE – Solid conductor

RM – Stranded conductor