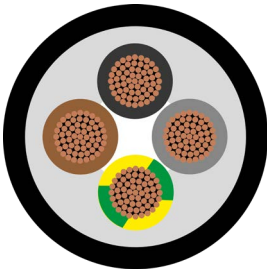


## YMz1K mbzh LSZH LV POWER CABLE- KEMA APPROVED



### APPLICATION

Widely used European specification power cables used for electricity supply for fixed installations with a voltage rating of 600/1000V in public buildings, factories, warehouses and datacentres where there may be potential fire risk. Cables can be fixed on cable trays, within conduits or fixed to walls. This cable is not suitable for direct burial. but can be laid on ground in conduit or trunking

### CONSTRUCTION

<b>Conductor:</b>	Class 1 solid copper 1.5mm <sup>2</sup> , 2.5mm <sup>2</sup> , 4mm <sup>2</sup> Class 2 stranded copper from 6mm <sup>2</sup>
<b>Insulation:</b>	Cross Linked Polyethylene (XLPE)
<b>Filler:</b>	Low Smoke Zero Halogen (LSZH)
<b>Sheath:</b>	Low Smoke Zero Halogen (LSZH)

### CABLE STANDARDS

NEN 3618,  
HD-604-5-C,  
NEN-EN 60332-1/2 and NEN-EN 60332-3-24 Cat.C,  
NEN-EN 60754,  
NEN-EN 61034,  
DIN VDE 0100,  
CEI 20-60,  
NEN 1010 and NF C15-100,  
NEN-EN 30332-1  
KEMA Approved

### CHARACTERISTICS

<b>Voltage Rating:</b>	600/1000 Volts
<b>Temperature Limits:</b>	+90°C
<b>Test Voltage:</b>	3.5kV AC
<b>Short Circuit Temperature Limits:</b>	+250°C
<b>Minimum Bending Radius:</b>	As per cable manufacturer datasheet

### CORE IDENTIFICATION

- 1 Core: Black
- 2 Core: Brown Blue
- 3 Core: Brown Blue Green/Yellow
- 3 Core: Brown Black Grey
- 4 Core: Brown Black Grey Green/Yellow
- 5 Core: Brown Black Grey Blue Green/Yellow

**SHOULD NOT BE INSTALLED AT TEMPERATURES BELOW 0°C**



## YMz1K mbzh LSZH LV POWER CABLE KEMA - CABLE DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM <sup>2</sup> )	STRANDING	NO. OF CORES	OVERALL DIAMETER (MM)	WEIGHT (KG/KM)
YMZ1K1X1/5	1.5	SOLID CORE	1	5.6	45
YMZ1K1X2/5	1.5	SOLID CORE	2	10.5	149
YMZ1K3X1/5	1.5	SOLID CORE	3	11	170
YMZ1K4X1/5	1.5	SOLID CORE	4	11.7	198
YMZ1K5X1/5	1.5	SOLID CORE	5	12.5	230
YMZ1K1X2/5	2.5	SOLID CORE	1	5.9	57
YMZ1K1X2/6	2.5	SOLID CORE	2	11.3	182
YMZ1K3X2/5	2.5	SOLID CORE	3	11.8	211
YMZ1K4X2/5	2.5	SOLID CORE	4	12.6	249
YMZ1K5X2/5	2.5	SOLID CORE	5	13.5	292
YMZ1K1X4	4	SOLID CORE	1	6.4	74
YMZ1K2X4	4	SOLID CORE	2	12.2	231
YMZ1K3X4	4	SOLID CORE	3	12.9	276
YMZ1K4X4	4	SOLID CORE	4	13.8	332
YMZ1K5X4	4	SOLID CORE	5	14.8	393
YMZ1K1X6	6	7/1.04	1	6.9	95
YMZ1K2X6	6	7/1.04	2	13.2	287
YMZ1K3X6	6	7/1.04	3	13.9	348
YMZ1K4X6	6	7/1.04	4	15	425
YMZ1K5X6	6	7/1.04	5	16.1	505
YMZ1K1X10	10	7/1.35	1	8.1	140
YMZ1K2X10	10	7/1.35	2	16.1	439
YMZ1K3X10	10	7/1.35	3	16.4	514
YMZ1K4X10	10	7/1.35	4	18.4	667
YMZ1K5X10	10	7/1.35	5	19.8	791
YMZ1K1X16	16	7/1.70	1	8.9	198
YMZ1K2X16	16	7/1.70	2	17.8	590
YMZ1K3X16	16	7/1.70	3	18.8	741
YMZ1K4X16	16	7/1.70	4	18.1	838
YMZ1K5X16	16	7/1.70	5	22.1	1118
YMZ1K1X25	25	7/2.14	1	10.5	293
YMZ1K2X25	25	7/2.15	2	20.9	854
YMZ1K3X25	25	7/2.16	3	22.2	1090
YMZ1K4X25	25	7/2.17	4	24.6	1395
YMZ1K5X25	25	7/2.18	5	26.7	1691
YMZ1K1X35	35	7/2.52	1	11.5	387
YMZ1K2X35	35	7/2.52	2	23	1100
YMZ1K3X35	35	7/2.52	3	24.4	1418
YMZ1K4X35	35	7/2.52	4	27.1	1826
YMZ1K5X35	35	7/2.52	5	29.5	2225
YMZ1K1X50	50	19/1.78	1	12.9	512
YMZ1K2X50	50	19/1.78	2	25.8	1436
YMZ1K3X50	50	19/1.78	3	27.5	1870
YMZ1K4X50	50	19/1.78	4	30.7	2422
YMZ1K5X50	50	19/1.78	5	33.7	2977
YMZ1K1X70	70	19/2.14	1	14.7	713
YMZ1K2X70	70	19/2.14	2	29.8	1990
YMZ1K31X70	70	19/2.14	3	32	2637
YMZ1K4X70	70	19/2.14	4	35.8	3407
YMZ1K5X70	70	19/2.14	5	39.4	4199



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CCC CODE	CONDUCTOR SIZE (MM <sup>2</sup> )	STRANDING	NO. OF CORES	OVERALL DIAMETER (MM)	WEIGHT (KG/KM)
YMZ1K1X95	95	19/2.52	1	16.6	965
YMZ1K2X95	95	19/2.52	2	33.4	2631
YMZ1K3X95	95	19/2.52	3	35.8	3492
YMZ1K4X95	95	19/2.52	4	40.2	4540
YMZ1K5X95	95	19/2.52	5	44.4	5642
YMZ1K1X120	120	37/2.03	1	18.1	1194
YMZ1K2X120	120	37/2.03	2	36.7	3252
YMZ1K3X120	120	37/2.03	3	39.2	4344
YMZ1K4X120	120	37/2.03	4	44.1	5626
YMZ1K1X150	150	37/2.25	1	20.4	1480
YMZ1K2X150	150	37/2.25	2	41.8	4096
YMZ1K3X150	150	37/2.25	3	44.8	5438
YMZ1K4X150	150	37/2.25	4	49.9	7053
YMZ1K1X185	185	37/2.52	1	22.2	1816
YMZ1K3X185	185	37/2.52	3	48.8	6684
YMZ1K4X185	185	37/2.52	4	54.5	8597
YMZ1K1X240	240	61/2.25	1	25	2361
YMZ1K3X240	240	61/2.25	3	54.9	8633
YMZ1K4X240	240	61/2.25	4	61.3	11158
YMZ1K1X300	300	61/2.52	1	27.7	2954
YMZ1K3X300	300	61/2.52	3	60.7	10910
YMZ1K4X300	300	61/2.52	4	67.81	3854
YMZ1K1X400	400	61/2.85	1	30.8	3757

## YMz1K mbzh LSZH LV CABLE KEMA - ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA (MM <sup>2</sup> )	CURRENT CARRYING CAPACITY		MAXIMUM CONDUCTOR DC RESISTANCE AT 20°C
	LAID IN FREE AIR	ENCLOSED IN GROUND	
1.5	24	30	12.1
2.5	32	24	7.41
4	42	52	4.61
6	53	64	3.08
10	73	86	1.83
16	96	111	1.15
25	130	143	0.727
35	160	173	0.524
50	195	205	0.387
70	247	252	0.268
95	305	303	0.193
120	355	346	0.153
150	407	390	0.124

THE ABOVE IS IN ACCORDANCE WITH 18TH EDITION OF IET WIRING REGULATIONS.

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.