

## YMz1K mbzh LSZH LV Power Cable - 1.5mm<sup>2</sup> to 300mm<sup>2</sup>



### Description

YMz1K MBZH LSZH is an LV European specification power cable 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.

It is a Low Smoke Zero Halogen (LSZH) cable, meaning it's designed to minimize smoke and corrosive gas emissions in the event of a fire.

YMz1K is a cable designation indicating its specific construction and characteristics, often related to Dutch national standard NEN1010. MBZH is Dutch for LSZH

These cables are suitable for installation in public and government buildings, Offices, factories, warehouses and depots where safety in event of fires is required. 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.

### Key Features



**Voltage Rating**  
600/1000 Volts



**Temperature Limits**  
Maximum operating temperature of conductor: +90°C  
Maximum short-circuit temperature up to 5 sec: +250°C

### Core Colours

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			

### Standards

- NEN 3618
- NEN-EN 60332-1-2
- NEN-EN 60754
- NEN-EN 61034
- NF C15-100
- DIN VDE 0100

### Construction

- **Conductor:** Class 1 solid copper 1.5mm, 2.5mm, 4mm, Class 2 stranded copper from 6mm
- **Insulation:** Cross Linked polyethylene (XLPE)
- **Filler:** LSZH (Low Smoke Zero Halogen)
- **Outer Sheath:** Low Smoke Zero Halogen (LSZH)
- **Sheath Colour:** Black

### QA Lab

#### Cleveland Cable Test & Training Lab

Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.



### CPR

Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.



### Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.



### ecovadis

Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

### ecovadis

## YMz1K mbzh LSZH LV Power Cable - 1.5mm<sup>2</sup> to 300mm<sup>2</sup> - Dimensions

Reference	Conductor Size (mm <sup>2</sup> )	No Of Cores	Stranding(mm)	Overall Diameter(mm)	Weight(Kg/Km)
YMZ1K1X1/5	1.5	1	SOLID CORE	5.6	45
YMZ1K1X2/5	1.5	2	SOLID CORE	10.5	149
YMZ1K3X1/5	1.5	3	SOLID CORE	11	170
YMZ1K4X1/5	1.5	4	SOLID CORE	11.7	198
YMZ1K5X1/5	1.5	5	SOLID CORE	12.5	230
YMZ1K1X2/5	2.5	1	SOLID CORE	5.9	57
YMZ1K1X2/6	2.5	2	SOLID CORE	11.3	182
YMZ1K3X2/5	2.5	3	SOLID CORE	11.8	211
YMZ1K4X2/5	2.5	4	SOLID CORE	12.6	249
YMZ1K5X2/5	2.5	5	SOLID CORE	13.5	292
YMZ1K1X4	4	1	SOLID CORE	6.4	74
YMZ1K2X4	4	2	SOLID CORE	12.2	231
YMZ1K3X4	4	3	SOLID CORE	12.9	276
YMZ1K4X4	4	4	SOLID CORE	13.8	332
YMZ1K5X4	4	5	SOLID CORE	14.8	393
YMZ1K1X6	6	1	7/1.04	6.9	95
YMZ1K2X6	6	2	7/1.04	13.2	287
YMZ1K3X6	6	3	7/1.04	13.9	348
YMZ1K4X6	6	4	7/1.04	15	425
YMZ1K5X6	6	5	7/1.04	16.1	505
YMZ1K1X10	10	1	7/1.35	8.1	140
YMZ1K2X10	10	2	7/1.35	16.1	439
YMZ1K3X10	10	3	7/1.35	16.4	514
YMZ1K4X10	10	4	7/1.35	18.4	667
YMZ1K5X10	10	5	7/1.35	19.8	791
YMZ1K1X16	16	1	7/1.70	8.9	1998
YMZ1K2X16	16	2	7/1.70	17.8	590
YMZ1K3X16	16	3	7/1.70	18.8	741
YMZ1K4X16	16	4	7/1.70	18.1	838
YMZ1K5X16	16	5	7/1.70	22.1	1118
YMZ1K1X25	25	1	7/2.14	10.5	293
YMZ1K2X25	25	2	7/2.14	20.9	854
YMZ1K3X25	25	3	7/2.14	22.2	1090
YMZ1K4X25	25	4	7/2.14	24.6	1395
YMZ1K5X25	25	5	7/2.14	26.7	1691
YMZ1K1X35	35	1	7/2.52	11.5	387
YMZ1K2X35	35	2	7/2.52	23	1100
YMZ1K3X35	35	3	7/2.52	24.4	1418

Reference	Conductor Size (mm <sup>2</sup> )	No Of Cores	Stranding(mm)	Overall Diameter(mm)	Weight(Kg/Km)
YMZ1K4X35	35	4	7/2.52	27.1	1826
YMZ1K5X35	35	5	7/2.52	29.5	2225
YMZ1K1X50	50	1	19/1.78	12.9	512
YMZ1K2X50	50	2	19/1.78	25.8	1436
YMZ1K3X50	50	3	19/1.78	27.5	1870
YMZ1K4X50	50	4	19/1.78	30.7	2422
YMZ1K5X50	50	5	19/1.78	33.7	2977
YMZ1K1X70	70	1	19/2.14	14.7	713
YMZ1K2X70	70	2	19/2.14	29.8	1990
YMZ1K31X70	70	3	19/2.14	32	2637
YMZ1K4X70	70	4	19/2.14	35.8	3407
YMZ1K5X70	70	5	19/2.14	39.4	4199
YMZ1K1X95	95	1	19/2.52	16.6	965
YMZ1K2X95	95	2	19/2.52	33.4	2631
YMZ1K3X95	95	3	19/2.52	35.8	3492
YMZ1K4X95	95	4	19/2.52	40.2	4540
YMZ1K5X95	95	5	19/2.52	44.4	5642
YMZ1K1X120	120	1	37/2.03	187.1	1194
YMZ1K2X120	120	2	37/2.03	36.7	3252
YMZ1K3X120	120	3	37/2.03	39.2	4344
YMZ1K4X120	120	4	37/2.03	44.1	5626
YMZ1K1X150	150	1	37/2.25	20.4	1480
YMZ1K2X150	150	2	37/2.25	41.8	4096
YMZ1K3X150	150	3	37/2.25	44.8	5438
YMZ1K4X150	150	4	37/2.25	49.9	7053
YMZ1K1X185	185	1	37/2.52	22.2	1816
YMZ1K3X185	185	3	37/2.52	48.8	6684
YMZ1K4X185	185	4	37/2.52	54.5	8597
YMZ1K1X240	240	1	61/2.25	25	2361
YMZ1K3X240	240	3	61/2.25	54.9	8633
YMZ1K4X240	240	4	61/2.25	61.3	11158
YMZ1K1X300	300	1	61/2.52	27.7	2954
YMZ1K3X300	300	3	61/2.52	60.7	10910
YMZ1K4X300	300	4	61/2.52	67.81	3854
YMZ1K1X400	400	1	61/2.85	30.8	3757

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