



## FIXED INSTALLATION LSZH POWER CABLE

VDE 0276

63 orderable sizes

STANDARD <b>VDE 0276</b>	VOLTAGE CLASS <b>0.6/1 kV</b>	CONDUCTOR <b>Class 2 copper conductor</b>
INSULATION / JACKET <b>LSZH outer sheath</b>		

### Construction

- 1 ■ Conductor (per core) – Copper conductor · 7 × Ø2.13 mm · IEC 60228 cl.2
- 2 ■ Core insulation – XLPE insulation
- 3 ■ Filler – PP filler
- 4 ■ Sheath – LSZH outer sheath

### Size selection — all available cross-sections

Cable reference	Voltage class	Cable use	Core / pair design	Conductor size	Max DC resistance at 20 °C	Fire behavior	OD guide
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 1C 16 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	1C	16 mm <sup>2</sup>	1.15 Ω/km	Low smoke, zero halogen, flame retardant building power cable	17 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 1C 25 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	1C	25 mm <sup>2</sup>	0.727 Ω/km	Low smoke, zero halogen, flame retardant building power cable	19 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 1C 50 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	1C	50 mm <sup>2</sup>	0.387 Ω/km	Low smoke, zero halogen, flame retardant building power cable	24 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 1C 70 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	1C	70 mm <sup>2</sup>	0.268 Ω/km	Low smoke, zero halogen, flame retardant	26 mm

Cable reference	Voltage class	Cable use	Core / pair design	Conductor size	Max DC resistance at 20 °C	Fire behavior	OD guide
						building power cable	
<b>N2XH LSZH power cable 0.6/1 kV Fixed power distribution 1C 95 mm<sup>2</sup></b>	0.6/1 kV	Fixed power distribution	1C	95 mm <sup>2</sup>	0.193 Ω/km	Low smoke, zero halogen, flame retardant building power cable	29 mm
<b>N2XH LSZH power cable 0.6/1 kV Fixed power distribution 1C 150 mm<sup>2</sup></b>	0.6/1 kV	Fixed power distribution	1C	150 mm <sup>2</sup>	0.124 Ω/km	Low smoke, zero halogen, flame retardant building power cable	34 mm
<b>N2XH LSZH power cable 0.6/1 kV Fixed power distribution 1C 240 mm<sup>2</sup></b>	0.6/1 kV	Fixed power distribution	1C	240 mm <sup>2</sup>	0.0754 Ω/km	Low smoke, zero halogen, flame retardant building power cable	41 mm
<b>N2XH LSZH power cable 0.6/1 kV Fixed power distribution 1C 400 mm<sup>2</sup></b>	0.6/1 kV	Fixed power distribution	1C	400 mm <sup>2</sup>	0.0470 Ω/km	Low smoke, zero halogen, flame retardant building power cable	50 mm
<b>N2XH LSZH power cable 0.6/1 kV Fixed power distribution 2C 1.5 mm<sup>2</sup></b>	0.6/1 kV	Fixed power distribution	2C	1.5 mm <sup>2</sup>	12.1 Ω/km	Low smoke, zero halogen, flame retardant building power cable	12 mm
<b>N2XH LSZH power cable 0.6/1 kV Fixed power distribution 2C 2.5 mm<sup>2</sup></b>	0.6/1 kV	Fixed power distribution	2C	2.5 mm <sup>2</sup>	7.41 Ω/km	Low smoke, zero halogen, flame retardant building power cable	13 mm
<b>N2XH LSZH power cable 0.6/1 kV Fixed power distribution 2C 4 mm<sup>2</sup></b>	0.6/1 kV	Fixed power distribution	2C	4 mm <sup>2</sup>	4.61 Ω/km	Low smoke, zero halogen, flame retardant building power cable	14 mm
<b>N2XH LSZH power cable 0.6/1 kV Fixed power distribution 2C 6 mm<sup>2</sup></b>	0.6/1 kV	Fixed power distribution	2C	6 mm <sup>2</sup>	3.08 Ω/km	Low smoke, zero halogen, flame retardant building power cable	15 mm

Cable reference	Voltage class	Cable use	Core / pair design	Conductor size	Max DC resistance at 20 °C	Fire behavior	OD guide
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 2C 10 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	2C	10 mm <sup>2</sup>	1.83 Ω/km	Low smoke, zero halogen, flame retardant building power cable	16 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 2C 16 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	2C	16 mm <sup>2</sup>	1.15 Ω/km	Low smoke, zero halogen, flame retardant building power cable	18 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 2C 25 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	2C	25 mm <sup>2</sup>	0.727 Ω/km	Low smoke, zero halogen, flame retardant building power cable	20 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 2C 35 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	2C	35 mm <sup>2</sup>	0.524 Ω/km	Low smoke, zero halogen, flame retardant building power cable	22 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 2C 50 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	2C	50 mm <sup>2</sup>	0.387 Ω/km	Low smoke, zero halogen, flame retardant building power cable	24 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 2C 70 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	2C	70 mm <sup>2</sup>	0.268 Ω/km	Low smoke, zero halogen, flame retardant building power cable	27 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 2C 95 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	2C	95 mm <sup>2</sup>	0.193 Ω/km	Low smoke, zero halogen, flame retardant building power cable	30 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 2C 120 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	2C	120 mm <sup>2</sup>	0.153 Ω/km	Low smoke, zero halogen, flame retardant building power cable	32 mm

Cable reference	Voltage class	Cable use	Core / pair design	Conductor size	Max DC resistance at 20 °C	Fire behavior	OD guide
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 2C 150 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	2C	150 mm <sup>2</sup>	0.124 Ω/km	Low smoke, zero halogen, flame retardant building power cable	35 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 2C 185 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	2C	185 mm <sup>2</sup>	0.0991 Ω/km	Low smoke, zero halogen, flame retardant building power cable	38 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 2C 240 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	2C	240 mm <sup>2</sup>	0.0754 Ω/km	Low smoke, zero halogen, flame retardant building power cable	42 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 3C 1.5 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	3C	1.5 mm <sup>2</sup>	12.1 Ω/km	Low smoke, zero halogen, flame retardant building power cable	13 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 3C 2.5 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	3C	2.5 mm <sup>2</sup>	7.41 Ω/km	Low smoke, zero halogen, flame retardant building power cable	14 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 3C 4 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	3C	4 mm <sup>2</sup>	4.61 Ω/km	Low smoke, zero halogen, flame retardant building power cable	14 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 3C 6 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	3C	6 mm <sup>2</sup>	3.08 Ω/km	Low smoke, zero halogen, flame retardant building power cable	15 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 3C 10 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	3C	10 mm <sup>2</sup>	1.83 Ω/km	Low smoke, zero halogen, flame retardant building power cable	17 mm

Cable reference	Voltage class	Cable use	Core / pair design	Conductor size	Max DC resistance at 20 °C	Fire behavior	OD guide
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 3C 16 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	3C	16 mm <sup>2</sup>	1.15 Ω/km	Low smoke, zero halogen, flame retardant building power cable	19 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 3C 25 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	3C	25 mm <sup>2</sup>	0.727 Ω/km	Low smoke, zero halogen, flame retardant building power cable	21 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 3C 35 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	3C	35 mm <sup>2</sup>	0.524 Ω/km	Low smoke, zero halogen, flame retardant building power cable	22 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 3C 50 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	3C	50 mm <sup>2</sup>	0.387 Ω/km	Low smoke, zero halogen, flame retardant building power cable	25 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 3C 70 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	3C	70 mm <sup>2</sup>	0.268 Ω/km	Low smoke, zero halogen, flame retardant building power cable	27 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 3C 95 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	3C	95 mm <sup>2</sup>	0.193 Ω/km	Low smoke, zero halogen, flame retardant building power cable	30 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 3C 120 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	3C	120 mm <sup>2</sup>	0.153 Ω/km	Low smoke, zero halogen, flame retardant building power cable	33 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 3C 150 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	3C	150 mm <sup>2</sup>	0.124 Ω/km	Low smoke, zero halogen, flame retardant building power cable	35 mm

Cable reference	Voltage class	Cable use	Core / pair design	Conductor size	Max DC resistance at 20 °C	Fire behavior	OD guide
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 3C 185 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	3C	185 mm <sup>2</sup>	0.0991 Ω/km	Low smoke, zero halogen, flame retardant building power cable	38 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 3C 240 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	3C	240 mm <sup>2</sup>	0.0754 Ω/km	Low smoke, zero halogen, flame retardant building power cable	42 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 4C 1.5 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	4C	1.5 mm <sup>2</sup>	12.1 Ω/km	Low smoke, zero halogen, flame retardant building power cable	13 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 4C 2.5 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	4C	2.5 mm <sup>2</sup>	7.41 Ω/km	Low smoke, zero halogen, flame retardant building power cable	14 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 4C 4 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	4C	4 mm <sup>2</sup>	4.61 Ω/km	Low smoke, zero halogen, flame retardant building power cable	15 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 4C 6 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	4C	6 mm <sup>2</sup>	3.08 Ω/km	Low smoke, zero halogen, flame retardant building power cable	16 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 4C 10 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	4C	10 mm <sup>2</sup>	1.83 Ω/km	Low smoke, zero halogen, flame retardant building power cable	17 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 4C 16 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	4C	16 mm <sup>2</sup>	1.15 Ω/km	Low smoke, zero halogen, flame retardant building power cable	19 mm

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N2XH LSZH power cable 0.6/1 kV Fixed power distribution 4C 25 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	4C	25 mm <sup>2</sup>	0.727 Ω/km	Low smoke, zero halogen, flame retardant building power cable	21 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 4C 35 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	4C	35 mm <sup>2</sup>	0.524 Ω/km	Low smoke, zero halogen, flame retardant building power cable	23 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 4C 50 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	4C	50 mm <sup>2</sup>	0.387 Ω/km	Low smoke, zero halogen, flame retardant building power cable	25 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 4C 70 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	4C	70 mm <sup>2</sup>	0.268 Ω/km	Low smoke, zero halogen, flame retardant building power cable	28 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 4C 95 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	4C	95 mm <sup>2</sup>	0.193 Ω/km	Low smoke, zero halogen, flame retardant building power cable	31 mm
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N2XH LSZH power cable 0.6/1 kV Fixed power distribution 4C 185 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	4C	185 mm <sup>2</sup>	0.0991 Ω/km	Low smoke, zero halogen, flame retardant building power cable	39 mm

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N2XH LSZH power cable 0.6/1 kV Fixed power distribution 5C 1.5 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	5C	1.5 mm <sup>2</sup>	12.1 Ω/km	Low smoke, zero halogen, flame retardant building power cable	14 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 5C 2.5 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	5C	2.5 mm <sup>2</sup>	7.41 Ω/km	Low smoke, zero halogen, flame retardant building power cable	14 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 5C 4 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	5C	4 mm <sup>2</sup>	4.61 Ω/km	Low smoke, zero halogen, flame retardant building power cable	15 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 5C 6 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	5C	6 mm <sup>2</sup>	3.08 Ω/km	Low smoke, zero halogen, flame retardant building power cable	16 mm
N2XH LSZH power cable 0.6/1 kV Fixed power distribution 5C 10 mm <sup>2</sup>	0.6/1 kV	Fixed power distribution	5C	10 mm <sup>2</sup>	1.83 Ω/km	Low smoke, zero halogen, flame retardant building power cable	18 mm
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