



FLEXIBLE LSZH POWER CABLE

IEC 60502-1

63 orderable sizes

STANDARD IEC 60502-1	VOLTAGE CLASS 0.6/1 kV	CONDUCTOR Class 5 flexible copper conductor
INSULATION / JACKET LSZH polyolefin sheath		

Construction

- 1 ■ Conductor (per core) – Copper conductor · 196 × Ø0.4 mm · IEC 60228 cl.5
- 2 ■ Core insulation – XLPE insulation
- 3 ■ Filler – PP filler
- 4 ■ Sheath – LSZH polyolefin 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
RZ1-K LSZH power cable 0.6/1 kV Power distribution 1C 16 mm²	0.6/1 kV	Power distribution	1C	16 mm ²	1.15 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	17 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 1C 25 mm²	0.6/1 kV	Power distribution	1C	25 mm ²	0.727 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	19 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 1C 50 mm²	0.6/1 kV	Power distribution	1C	50 mm ²	0.387 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	24 mm

Cable reference	Voltage class	Cable use	Core / pair design	Conductor size	Max DC resistance at 20 °C	Fire behavior	OD guide
RZ1-K LSZH power cable 0.6/1 kV Power distribution 1C 70 mm ²	0.6/1 kV	Power distribution	1C	70 mm ²	0.268 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	26 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 1C 95 mm ²	0.6/1 kV	Power distribution	1C	95 mm ²	0.193 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	29 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 1C 150 mm ²	0.6/1 kV	Power distribution	1C	150 mm ²	0.124 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	34 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 1C 240 mm ²	0.6/1 kV	Power distribution	1C	240 mm ²	0.0754 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	41 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 1C 400 mm ²	0.6/1 kV	Power distribution	1C	400 mm ²	0.0470 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	50 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 2C 1.5 mm ²	0.6/1 kV	Power distribution	2C	1.5 mm ²	12.1 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	12 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 2C 2.5 mm ²	0.6/1 kV	Power distribution	2C	2.5 mm ²	7.41 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	13 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 2C 4 mm ²	0.6/1 kV	Power distribution	2C	4 mm ²	4.61 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	14 mm

Cable reference	Voltage class	Cable use	Core / pair design	Conductor size	Max DC resistance at 20 °C	Fire behavior	OD guide
RZ1-K LSZH power cable 0.6/1 kV Power distribution 2C 6 mm ²	0.6/1 kV	Power distribution	2C	6 mm ²	3.08 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	15 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 2C 10 mm ²	0.6/1 kV	Power distribution	2C	10 mm ²	1.83 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	16 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 2C 16 mm ²	0.6/1 kV	Power distribution	2C	16 mm ²	1.15 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	18 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 2C 25 mm ²	0.6/1 kV	Power distribution	2C	25 mm ²	0.727 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	20 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 2C 35 mm ²	0.6/1 kV	Power distribution	2C	35 mm ²	0.524 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	22 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 2C 50 mm ²	0.6/1 kV	Power distribution	2C	50 mm ²	0.387 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	24 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 2C 70 mm ²	0.6/1 kV	Power distribution	2C	70 mm ²	0.268 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	27 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 2C 95 mm ²	0.6/1 kV	Power distribution	2C	95 mm ²	0.193 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	30 mm
RZ1-K LSZH power cable 0.6/1 kV Power	0.6/1 kV	Power distribution	2C	120 mm ²	0.153 Ω/km	Low smoke, zero halogen, flame retardant and	32 mm

Cable reference	Voltage class	Cable use	Core / pair design	Conductor size	Max DC resistance at 20 °C	Fire behavior	OD guide
distribution 2C 120 mm ²						non-fire propagating sheath	
RZ1-K LSZH power cable 0.6/1 kV Power distribution 2C 150 mm ²	0.6/1 kV	Power distribution	2C	150 mm ²	0.124 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	35 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 2C 185 mm ²	0.6/1 kV	Power distribution	2C	185 mm ²	0.0991 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	38 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 2C 240 mm ²	0.6/1 kV	Power distribution	2C	240 mm ²	0.0754 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	42 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 3C 1.5 mm ²	0.6/1 kV	Power distribution	3C	1.5 mm ²	12.1 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	13 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 3C 2.5 mm ²	0.6/1 kV	Power distribution	3C	2.5 mm ²	7.41 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	14 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 3C 4 mm ²	0.6/1 kV	Power distribution	3C	4 mm ²	4.61 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	14 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 3C 6 mm ²	0.6/1 kV	Power distribution	3C	6 mm ²	3.08 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	15 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 3C 10 mm ²	0.6/1 kV	Power distribution	3C	10 mm ²	1.83 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	17 mm

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RZ1-K LSZH power cable 0.6/1 kV Power distribution 3C 16 mm ²	0.6/1 kV	Power distribution	3C	16 mm ²	1.15 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	19 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 3C 25 mm ²	0.6/1 kV	Power distribution	3C	25 mm ²	0.727 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	21 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 3C 35 mm ²	0.6/1 kV	Power distribution	3C	35 mm ²	0.524 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	22 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 3C 50 mm ²	0.6/1 kV	Power distribution	3C	50 mm ²	0.387 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	25 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 3C 70 mm ²	0.6/1 kV	Power distribution	3C	70 mm ²	0.268 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	27 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 3C 95 mm ²	0.6/1 kV	Power distribution	3C	95 mm ²	0.193 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	30 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 3C 120 mm ²	0.6/1 kV	Power distribution	3C	120 mm ²	0.153 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	33 mm
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RZ1-K LSZH power cable 0.6/1 kV Power distribution 3C 240 mm ²	0.6/1 kV	Power distribution	3C	240 mm ²	0.0754 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	42 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 4C 1.5 mm ²	0.6/1 kV	Power distribution	4C	1.5 mm ²	12.1 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	13 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 4C 2.5 mm ²	0.6/1 kV	Power distribution	4C	2.5 mm ²	7.41 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	14 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 4C 4 mm ²	0.6/1 kV	Power distribution	4C	4 mm ²	4.61 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	15 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 4C 6 mm ²	0.6/1 kV	Power distribution	4C	6 mm ²	3.08 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	16 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 4C 10 mm ²	0.6/1 kV	Power distribution	4C	10 mm ²	1.83 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	17 mm
RZ1-K LSZH power cable 0.6/1 kV Power distribution 4C 16 mm ²	0.6/1 kV	Power distribution	4C	16 mm ²	1.15 Ω/km	Low smoke, zero halogen, flame retardant and non-fire propagating sheath	19 mm
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