



### LOW SMOKE SCREENED CONTROL CABLE

VDE 0250

40 orderable sizes

STANDARD <b>VDE 0250</b>	VOLTAGE CLASS <b>300/500 V</b>	CONDUCTOR <b>Class 5 flexible copper conductor</b>
INSULATION / JACKET <b>LSZH outer sheath</b>		

### Construction

- 1 ■ Conductor (per core) – Copper conductor · 24 × Ø0.2 mm · IEC 60228 cl.5
- 2 ■ Core insulation – LSZH or halogen-free control-core insulation
- 3 ■ Filler – PP filler
- 4 ■ Shield – Braid shield (C)
- 5 ■ 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
LSZH screened control cable 300/500 V Control circuits 2 core 0.75 mm <sup>2</sup>	300/500 V	Control circuits	2 core	0.75 mm <sup>2</sup>	26.0 Ω/km	Low smoke, zero halogen screened control cable	11 mm
LSZH screened control cable 300/500 V Control circuits 2 core 1.0 mm <sup>2</sup>	300/500 V	Control circuits	2 core	1.0 mm <sup>2</sup>	Confirm to IEC 60228	Low smoke, zero halogen screened control cable	11 mm
LSZH screened control cable 300/500 V Control circuits 2 core 1.5 mm <sup>2</sup>	300/500 V	Control circuits	2 core	1.5 mm <sup>2</sup>	12.1 Ω/km	Low smoke, zero halogen screened control cable	12 mm
LSZH screened control cable 300/500 V Control circuits 2 core 2.5 mm <sup>2</sup>	300/500 V	Control circuits	2 core	2.5 mm <sup>2</sup>	7.41 Ω/km	Low smoke, zero halogen screened control cable	12 mm
LSZH screened control cable 300/500 V Control	300/500 V	Control circuits	2 core	4 mm <sup>2</sup>	4.61 Ω/km	Low smoke, zero halogen	13 mm

Cable reference	Voltage class	Cable use	Core / pair design	Conductor size	Max DC resistance at 20 °C	Fire behavior	OD guide
circuits 2 core 4 mm <sup>2</sup>						screened control cable	
LSZH screened control cable 300/500 V Control circuits 3 core 0.75 mm <sup>2</sup>	300/500 V	Control circuits	3 core	0.75 mm <sup>2</sup>	26.0 Ω/km	Low smoke, zero halogen screened control cable	11 mm
LSZH screened control cable 300/500 V Control circuits 3 core 1.0 mm <sup>2</sup>	300/500 V	Control circuits	3 core	1.0 mm <sup>2</sup>	Confirm to IEC 60228	Low smoke, zero halogen screened control cable	12 mm
LSZH screened control cable 300/500 V Control circuits 3 core 1.5 mm <sup>2</sup>	300/500 V	Control circuits	3 core	1.5 mm <sup>2</sup>	12.1 Ω/km	Low smoke, zero halogen screened control cable	12 mm
LSZH screened control cable 300/500 V Control circuits 3 core 2.5 mm <sup>2</sup>	300/500 V	Control circuits	3 core	2.5 mm <sup>2</sup>	7.41 Ω/km	Low smoke, zero halogen screened control cable	13 mm
LSZH screened control cable 300/500 V Control circuits 3 core 4 mm <sup>2</sup>	300/500 V	Control circuits	3 core	4 mm <sup>2</sup>	4.61 Ω/km	Low smoke, zero halogen screened control cable	14 mm
LSZH screened control cable 300/500 V Control circuits 4 core 0.75 mm <sup>2</sup>	300/500 V	Control circuits	4 core	0.75 mm <sup>2</sup>	26.0 Ω/km	Low smoke, zero halogen screened control cable	12 mm
LSZH screened control cable 300/500 V Control circuits 4 core 1.0 mm <sup>2</sup>	300/500 V	Control circuits	4 core	1.0 mm <sup>2</sup>	Confirm to IEC 60228	Low smoke, zero halogen screened control cable	12 mm
LSZH screened control cable 300/500 V Control circuits 4 core 1.5 mm <sup>2</sup>	300/500 V	Control circuits	4 core	1.5 mm <sup>2</sup>	12.1 Ω/km	Low smoke, zero halogen screened control cable	13 mm
LSZH screened control cable 300/500 V Control circuits 4 core 2.5 mm <sup>2</sup>	300/500 V	Control circuits	4 core	2.5 mm <sup>2</sup>	7.41 Ω/km	Low smoke, zero halogen screened control cable	13 mm
LSZH screened control cable 300/500 V Control circuits 4 core 4 mm <sup>2</sup>	300/500 V	Control circuits	4 core	4 mm <sup>2</sup>	4.61 Ω/km	Low smoke, zero halogen screened control cable	14 mm
LSZH screened control cable 300/500 V Control circuits 5 core 0.75 mm <sup>2</sup>	300/500 V	Control circuits	5 core	0.75 mm <sup>2</sup>	26.0 Ω/km	Low smoke, zero halogen screened control cable	12 mm
LSZH screened control cable 300/500 V Control	300/500 V	Control circuits	5 core	1.0 mm <sup>2</sup>	Confirm to IEC 60228	Low smoke, zero halogen	12 mm

Cable reference	Voltage class	Cable use	Core / pair design	Conductor size	Max DC resistance at 20 °C	Fire behavior	OD guide
circuits 5 core 1.0 mm <sup>2</sup>						screened control cable	
LSZH screened control cable 300/500 V Control circuits 5 core 1.5 mm <sup>2</sup>	300/500 V	Control circuits	5 core	1.5 mm <sup>2</sup>	12.1 Ω/km	Low smoke, zero halogen screened control cable	13 mm
LSZH screened control cable 300/500 V Control circuits 5 core 2.5 mm <sup>2</sup>	300/500 V	Control circuits	5 core	2.5 mm <sup>2</sup>	7.41 Ω/km	Low smoke, zero halogen screened control cable	14 mm
LSZH screened control cable 300/500 V Control circuits 5 core 4 mm <sup>2</sup>	300/500 V	Control circuits	5 core	4 mm <sup>2</sup>	4.61 Ω/km	Low smoke, zero halogen screened control cable	15 mm
LSZH screened control cable 300/500 V Control circuits 7 core 0.75 mm <sup>2</sup>	300/500 V	Control circuits	7 core	0.75 mm <sup>2</sup>	26.0 Ω/km	Low smoke, zero halogen screened control cable	13 mm
LSZH screened control cable 300/500 V Control circuits 7 core 1.0 mm <sup>2</sup>	300/500 V	Control circuits	7 core	1.0 mm <sup>2</sup>	Confirm to IEC 60228	Low smoke, zero halogen screened control cable	13 mm
LSZH screened control cable 300/500 V Control circuits 7 core 1.5 mm <sup>2</sup>	300/500 V	Control circuits	7 core	1.5 mm <sup>2</sup>	12.1 Ω/km	Low smoke, zero halogen screened control cable	14 mm
LSZH screened control cable 300/500 V Control circuits 7 core 2.5 mm <sup>2</sup>	300/500 V	Control circuits	7 core	2.5 mm <sup>2</sup>	7.41 Ω/km	Low smoke, zero halogen screened control cable	14 mm
LSZH screened control cable 300/500 V Control circuits 7 core 4 mm <sup>2</sup>	300/500 V	Control circuits	7 core	4 mm <sup>2</sup>	4.61 Ω/km	Low smoke, zero halogen screened control cable	15 mm
LSZH screened control cable 300/500 V Control circuits 12 core 0.75 mm <sup>2</sup>	300/500 V	Control circuits	12 core	0.75 mm <sup>2</sup>	26.0 Ω/km	Low smoke, zero halogen screened control cable	14 mm
LSZH screened control cable 300/500 V Control circuits 12 core 1.0 mm <sup>2</sup>	300/500 V	Control circuits	12 core	1.0 mm <sup>2</sup>	Confirm to IEC 60228	Low smoke, zero halogen screened control cable	15 mm
LSZH screened control cable 300/500 V Control circuits 12 core 1.5 mm <sup>2</sup>	300/500 V	Control circuits	12 core	1.5 mm <sup>2</sup>	12.1 Ω/km	Low smoke, zero halogen screened control cable	15 mm
LSZH screened control cable 300/500 V Control	300/500 V	Control circuits	12 core	2.5 mm <sup>2</sup>	7.41 Ω/km	Low smoke, zero halogen	16 mm

Cable reference	Voltage class	Cable use	Core / pair design	Conductor size	Max DC resistance at 20 °C	Fire behavior	OD guide
circuits 12 core 2.5 mm <sup>2</sup>						screened control cable	
LSZH screened control cable 300/500 V Control circuits 12 core 4 mm <sup>2</sup>	300/500 V	Control circuits	12 core	4 mm <sup>2</sup>	4.61 Ω/km	Low smoke, zero halogen screened control cable	17 mm
LSZH screened control cable 300/500 V Control circuits 18 core 0.75 mm <sup>2</sup>	300/500 V	Control circuits	18 core	0.75 mm <sup>2</sup>	26.0 Ω/km	Low smoke, zero halogen screened control cable	16 mm
LSZH screened control cable 300/500 V Control circuits 18 core 1.0 mm <sup>2</sup>	300/500 V	Control circuits	18 core	1.0 mm <sup>2</sup>	Confirm to IEC 60228	Low smoke, zero halogen screened control cable	16 mm
LSZH screened control cable 300/500 V Control circuits 18 core 1.5 mm <sup>2</sup>	300/500 V	Control circuits	18 core	1.5 mm <sup>2</sup>	12.1 Ω/km	Low smoke, zero halogen screened control cable	16 mm
LSZH screened control cable 300/500 V Control circuits 18 core 2.5 mm <sup>2</sup>	300/500 V	Control circuits	18 core	2.5 mm <sup>2</sup>	7.41 Ω/km	Low smoke, zero halogen screened control cable	17 mm
LSZH screened control cable 300/500 V Control circuits 18 core 4 mm <sup>2</sup>	300/500 V	Control circuits	18 core	4 mm <sup>2</sup>	4.61 Ω/km	Low smoke, zero halogen screened control cable	18 mm
LSZH screened control cable 300/500 V Control circuits 25 core 0.75 mm <sup>2</sup>	300/500 V	Control circuits	25 core	0.75 mm <sup>2</sup>	26.0 Ω/km	Low smoke, zero halogen screened control cable	17 mm
LSZH screened control cable 300/500 V Control circuits 25 core 1.0 mm <sup>2</sup>	300/500 V	Control circuits	25 core	1.0 mm <sup>2</sup>	Confirm to IEC 60228	Low smoke, zero halogen screened control cable	17 mm
LSZH screened control cable 300/500 V Control circuits 25 core 1.5 mm <sup>2</sup>	300/500 V	Control circuits	25 core	1.5 mm <sup>2</sup>	12.1 Ω/km	Low smoke, zero halogen screened control cable	18 mm
LSZH screened control cable 300/500 V Control circuits 25 core 2.5 mm <sup>2</sup>	300/500 V	Control circuits	25 core	2.5 mm <sup>2</sup>	7.41 Ω/km	Low smoke, zero halogen screened control cable	18 mm
LSZH screened control cable 300/500 V Control circuits 25 core 4 mm <sup>2</sup>	300/500 V	Control circuits	25 core	4 mm <sup>2</sup>	4.61 Ω/km	Low smoke, zero halogen screened control cable	19 mm