



FIRE RESISTANT LOW SMOKE ALARM CABLE

BS 7629-1

12 orderable sizes

STANDARD BS 7629-1	VOLTAGE CLASS 300/500 V	CONDUCTOR Plain copper conductor
INSULATION / JACKET LSZH outer sheath		

Construction

- 1 **Conductor (per core)** – Copper conductor · 7 × Ø0.43 mm · IEC 60228 cl.2
- 2 **Core insulation** – Mica fire barrier with LSZH 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
Fire resistant LSZH alarm cable 300/500 V Fire alarm and emergency circuit 2 core 1.0 mm ²	300/500 V	Fire alarm and emergency circuit	2 core	1.0 mm ²	Confirm to IEC 60228	Fire resistant, low smoke and halogen-free emergency circuit construction	12 mm
Fire resistant LSZH alarm cable 300/500 V Fire alarm and emergency circuit 2 core 1.5 mm ²	300/500 V	Fire alarm and emergency circuit	2 core	1.5 mm ²	12.1 Ω/km	Fire resistant, low smoke and halogen-free emergency circuit construction	13 mm
Fire resistant LSZH alarm cable 300/500 V Fire alarm and emergency circuit 2 core 2.5 mm ²	300/500 V	Fire alarm and emergency circuit	2 core	2.5 mm ²	7.41 Ω/km	Fire resistant, low smoke and halogen-free emergency circuit construction	13 mm

Cable reference	Voltage class	Cable use	Core / pair design	Conductor size	Max DC resistance at 20 °C	Fire behavior	OD guide
Fire resistant LSZH alarm cable 300/500 V Fire alarm and emergency circuit 3 core 1.0 mm ²	300/500 V	Fire alarm and emergency circuit	3 core	1.0 mm ²	Confirm to IEC 60228	Fire resistant, low smoke and halogen-free emergency circuit construction	13 mm
Fire resistant LSZH alarm cable 300/500 V Fire alarm and emergency circuit 3 core 1.5 mm ²	300/500 V	Fire alarm and emergency circuit	3 core	1.5 mm ²	12.1 Ω/km	Fire resistant, low smoke and halogen-free emergency circuit construction	13 mm
Fire resistant LSZH alarm cable 300/500 V Fire alarm and emergency circuit 3 core 2.5 mm ²	300/500 V	Fire alarm and emergency circuit	3 core	2.5 mm ²	7.41 Ω/km	Fire resistant, low smoke and halogen-free emergency circuit construction	14 mm
Fire resistant LSZH alarm cable 300/500 V Fire alarm and emergency circuit 4 core 1.0 mm ²	300/500 V	Fire alarm and emergency circuit	4 core	1.0 mm ²	Confirm to IEC 60228	Fire resistant, low smoke and halogen-free emergency circuit construction	13 mm
Fire resistant LSZH alarm cable 300/500 V Fire alarm and emergency circuit 4 core 1.5 mm ²	300/500 V	Fire alarm and emergency circuit	4 core	1.5 mm ²	12.1 Ω/km	Fire resistant, low smoke and halogen-free emergency circuit construction	14 mm
Fire resistant LSZH alarm cable 300/500 V Fire alarm and emergency circuit 4 core 2.5 mm ²	300/500 V	Fire alarm and emergency circuit	4 core	2.5 mm ²	7.41 Ω/km	Fire resistant, low smoke and halogen-free emergency circuit construction	14 mm
Fire resistant LSZH alarm cable 300/500 V Fire alarm and emergency circuit 7 core 1.0 mm ²	300/500 V	Fire alarm and emergency circuit	7 core	1.0 mm ²	Confirm to IEC 60228	Fire resistant, low smoke and halogen-free emergency circuit construction	14 mm
Fire resistant LSZH alarm cable 300/500 V Fire alarm and emergency circuit 7 core 1.5 mm ²	300/500 V	Fire alarm and emergency circuit	7 core	1.5 mm ²	12.1 Ω/km	Fire resistant, low smoke and halogen-free emergency circuit construction	15 mm
Fire resistant LSZH alarm cable 300/500 V Fire alarm and emergency circuit 7 core 2.5 mm ²	300/500 V	Fire alarm and emergency circuit	7 core	2.5 mm ²	7.41 Ω/km	Fire resistant, low smoke and halogen-free emergency circuit construction	16 mm