



LOW SMOKE INSTRUMENTATION CABLE

EN 50288-7

24 orderable sizes

STANDARD EN 50288-7	VOLTAGE CLASS 300/500 V	CONDUCTOR Plain or tinned copper conductor
INSULATION / JACKET LSZH outer sheath		

Construction

- 1 ■ Conductor (per core) – Copper conductor · 7 × Ø0.3 mm · IEC 60228 cl.2
- 2 ■ Pair insulation – XLPE or LSZH-compatible instrumentation insulation
- 3 ■ Individual screen (IS) – Al/polyester foil + tinned-copper drain
- 4 ■ Filler – Bedding / filler
- 5 ■ Overall screen (OS) – Al/polyester foil + drain
- 6 ■ 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 instrumentation cable 300/500 V Instrumentation signal 1 pair 0.5 mm ²	300/500 V	Instrumentation signal	1 pair	0.5 mm ²	39.0 Ω/km	Low smoke, zero halogen instrumentation cable for enclosed routes	11 mm
LSZH instrumentation cable 300/500 V Instrumentation signal 1 pair 0.75 mm ²	300/500 V	Instrumentation signal	1 pair	0.75 mm ²	26.0 Ω/km	Low smoke, zero halogen instrumentation cable for enclosed routes	11 mm
LSZH instrumentation cable 300/500 V Instrumentation signal 1 pair 1.0 mm ²	300/500 V	Instrumentation signal	1 pair	1.0 mm ²	Confirm to IEC 60228	Low smoke, zero halogen instrumentation cable for enclosed routes	11 mm
LSZH instrumentation cable 300/500 V	300/500 V	Instrumentation signal	1 pair	1.5 mm ²	12.1 Ω/km	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
Instrumentation signal 1 pair 1.5 mm ²						instrumentation cable for enclosed routes	
LSZH instrumentation cable 300/500 V Instrumentation signal 2 pair 0.5 mm ²	300/500 V	Instrumentation signal	2 pair	0.5 mm ²	39.0 Ω/km	Low smoke, zero halogen instrumentation cable for enclosed routes	11 mm
LSZH instrumentation cable 300/500 V Instrumentation signal 2 pair 0.75 mm ²	300/500 V	Instrumentation signal	2 pair	0.75 mm ²	26.0 Ω/km	Low smoke, zero halogen instrumentation cable for enclosed routes	12 mm
LSZH instrumentation cable 300/500 V Instrumentation signal 2 pair 1.0 mm ²	300/500 V	Instrumentation signal	2 pair	1.0 mm ²	Confirm to IEC 60228	Low smoke, zero halogen instrumentation cable for enclosed routes	12 mm
LSZH instrumentation cable 300/500 V Instrumentation signal 2 pair 1.5 mm ²	300/500 V	Instrumentation signal	2 pair	1.5 mm ²	12.1 Ω/km	Low smoke, zero halogen instrumentation cable for enclosed routes	12 mm
LSZH instrumentation cable 300/500 V Instrumentation signal 4 pair 0.5 mm ²	300/500 V	Instrumentation signal	4 pair	0.5 mm ²	39.0 Ω/km	Low smoke, zero halogen instrumentation cable for enclosed routes	12 mm
LSZH instrumentation cable 300/500 V Instrumentation signal 4 pair 0.75 mm ²	300/500 V	Instrumentation signal	4 pair	0.75 mm ²	26.0 Ω/km	Low smoke, zero halogen instrumentation cable for enclosed routes	13 mm
LSZH instrumentation cable 300/500 V Instrumentation signal 4 pair 1.0 mm ²	300/500 V	Instrumentation signal	4 pair	1.0 mm ²	Confirm to IEC 60228	Low smoke, zero halogen instrumentation cable for enclosed routes	13 mm
LSZH instrumentation cable 300/500 V Instrumentation signal 4 pair 1.5 mm ²	300/500 V	Instrumentation signal	4 pair	1.5 mm ²	12.1 Ω/km	Low smoke, zero halogen instrumentation cable for enclosed routes	13 mm
LSZH instrumentation cable 300/500 V Instrumentation signal 8 pair 0.5 mm ²	300/500 V	Instrumentation signal	8 pair	0.5 mm ²	39.0 Ω/km	Low smoke, zero halogen instrumentation cable for enclosed routes	14 mm

Cable reference	Voltage class	Cable use	Core / pair design	Conductor size	Max DC resistance at 20 °C	Fire behavior	OD guide
LSZH instrumentation cable 300/500 V Instrumentation signal 8 pair 0.75 mm ²	300/500 V	Instrumentation signal	8 pair	0.75 mm ²	26.0 Ω/km	Low smoke, zero halogen instrumentation cable for enclosed routes	14 mm
LSZH instrumentation cable 300/500 V Instrumentation signal 8 pair 1.0 mm ²	300/500 V	Instrumentation signal	8 pair	1.0 mm ²	Confirm to IEC 60228	Low smoke, zero halogen instrumentation cable for enclosed routes	14 mm
LSZH instrumentation cable 300/500 V Instrumentation signal 8 pair 1.5 mm ²	300/500 V	Instrumentation signal	8 pair	1.5 mm ²	12.1 Ω/km	Low smoke, zero halogen instrumentation cable for enclosed routes	15 mm
LSZH instrumentation cable 300/500 V Instrumentation signal 12 pair 0.5 mm ²	300/500 V	Instrumentation signal	12 pair	0.5 mm ²	39.0 Ω/km	Low smoke, zero halogen instrumentation cable for enclosed routes	15 mm
LSZH instrumentation cable 300/500 V Instrumentation signal 12 pair 0.75 mm ²	300/500 V	Instrumentation signal	12 pair	0.75 mm ²	26.0 Ω/km	Low smoke, zero halogen instrumentation cable for enclosed routes	15 mm
LSZH instrumentation cable 300/500 V Instrumentation signal 12 pair 1.0 mm ²	300/500 V	Instrumentation signal	12 pair	1.0 mm ²	Confirm to IEC 60228	Low smoke, zero halogen instrumentation cable for enclosed routes	15 mm
LSZH instrumentation cable 300/500 V Instrumentation signal 12 pair 1.5 mm ²	300/500 V	Instrumentation signal	12 pair	1.5 mm ²	12.1 Ω/km	Low smoke, zero halogen instrumentation cable for enclosed routes	16 mm
LSZH instrumentation cable 300/500 V Instrumentation signal 24 pair 0.5 mm ²	300/500 V	Instrumentation signal	24 pair	0.5 mm ²	39.0 Ω/km	Low smoke, zero halogen instrumentation cable for enclosed routes	17 mm
LSZH instrumentation cable 300/500 V Instrumentation signal 24 pair 0.75 mm ²	300/500 V	Instrumentation signal	24 pair	0.75 mm ²	26.0 Ω/km	Low smoke, zero halogen instrumentation cable for enclosed routes	18 mm

Cable reference	Voltage class	Cable use	Core / pair design	Conductor size	Max DC resistance at 20 °C	Fire behavior	OD guide
LSZH instrumentation cable 300/500 V Instrumentation signal 24 pair 1.0 mm ²	300/500 V	Instrumentation signal	24 pair	1.0 mm ²	Confirm to IEC 60228	Low smoke, zero halogen instrumentation cable for enclosed routes	18 mm
LSZH instrumentation cable 300/500 V Instrumentation signal 24 pair 1.5 mm ²	300/500 V	Instrumentation signal	24 pair	1.5 mm ²	12.1 Ω/km	Low smoke, zero halogen instrumentation cable for enclosed routes	18 mm

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