



LOW SMOKE DATA CABLE

ISO/IEC 11801

4 orderable sizes

STANDARD ISO/IEC 11801	VOLTAGE CLASS Data transmission	CONDUCTOR Solid or stranded copper data conductor
INSULATION / JACKET LSZH data cable jacket		

Construction

- 1 ■ Conductor (per core) – Solid or stranded copper data conductor
- 2 ■ Pair insulation – PE or foam PE data insulation
- 3 ■ Filler – Bedding / filler
- 4 ■ Overall screen (OS) – Al/polyester foil + drain
- 5 ■ Sheath – LSZH data cable jacket

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 data cable Data transmission LAN and building data Cat5e 4 x 2 pair AWG24	Data transmission	LAN and building data	Cat5e 4 x 2 pair AWG24	Cat5e 4 x 2 pair AWG24	95 Ω/km	Low smoke, zero halogen data cable jacket for public buildings	5.6 mm
LSZH data cable Data transmission LAN and building data Cat6 4 x 2 pair AWG23	Data transmission	LAN and building data	Cat6 4 x 2 pair AWG23	Cat6 4 x 2 pair AWG23	78 Ω/km	Low smoke, zero halogen data cable jacket for public buildings	6.8 mm
LSZH data cable Data transmission LAN and building data Cat6A 4 x 2 pair AWG23	Data transmission	LAN and building data	Cat6A 4 x 2 pair AWG23	Cat6A 4 x 2 pair AWG23	78 Ω/km	Low smoke, zero halogen data cable jacket for public buildings	7.6 mm

Cable reference	Voltage class	Cable use	Core / pair design	Conductor size	Max DC resistance at 20 °C	Fire behavior	OD guide
LSZH data cable Data transmission LAN and building data Cat7 S/FTP 4 x 2 pair AWG23	Data transmission	LAN and building data	Cat7 S/FTP 4 x 2 pair AWG23	Cat7 S/FTP 4 x 2 pair AWG23	78 Ω/km	Low smoke, zero halogen data cable jacket for public buildings	8.5 mm

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