



**TRAIN BUS AND SERIAL DATA CABLE**

IEC 61375 / EN 45545-2 reference

4 orderable sizes

<b>STANDARD</b> IEC 61375 / EN 45545-2 reference	<b>VOLTAGE CLASS</b> Data circuit	<b>TEMPERATURE CLASS</b> -40 °C to +90 °C guide
<b>CONDUCTOR</b> Stranded tinned copper data conductor	<b>INSULATION / JACKET</b> Halogen-free rolling stock bus cable sheath	

**Construction**

- 1 ■ **Conductor (per core)** – Stranded tinned copper data conductor · 1 × Ø0.66 mm · IEC 60228 cl.1
- 2 ■ **Pair insulation** – Foam or solid bus pair insulation
- 3 ■ **Filler** – Bedding / filler
- 4 ■ **Overall screen (OS)** – Al/polyester foil + drain
- 5 ■ **Sheath** – Halogen-free rolling stock bus cable sheath

**Size selection — all available cross-sections**

Cable reference	Onboard duty	Wall system	Core / pair design	Conductor size	Voltage class	Fire class	Max DC resistance at 20 °C	OD guide
Train bus cable Data circuit Multifunction vehicle bus MVB train bus 1 x 2 pair 0.34 mm <sup>2</sup>	Multifunction vehicle bus	Halogen-free screened bus sheath	MVB train bus 1 x 2 pair	AWG22 / 0.34 mm <sup>2</sup>	Data circuit	EN 45545-2 HL1 to HL3 data cable system	57 Ω/km	8.0 mm
Train bus cable Data circuit Wire train bus jumper route WTB wire train bus 1 x 2 pair 0.34 mm <sup>2</sup>	Wire train bus jumper route	Halogen-free screened bus sheath	WTB wire train bus 1 x 2 pair	AWG22 / 0.34 mm <sup>2</sup>	Data circuit	EN 45545-2 HL1 to HL3 data cable system	57 Ω/km	8.0 mm
Train bus cable Data circuit Vehicle subsystem CAN bus CAN	Vehicle subsystem CAN bus	Halogen-free screened	CAN rail bus 1	AWG22 / 0.34 mm <sup>2</sup>	Data circuit	EN 45545-2 HL1 to HL3	57 Ω/km	6.8 mm

Cable reference	Onboard duty	Wall system	Core / pair design	Conductor size	Voltage class	Fire class	Max DC resistance at 20 °C	OD guide
rail bus 1 x 2 pair 0.34 mm <sup>2</sup>		bus sheath	x 2 pair			data cable system		
Train bus cable Data circuit Serial rail equipment data RS-485 rail bus 1 x 2 pair 0.34 mm <sup>2</sup>	Serial rail equipment data	Halogen-free screened bus sheath	RS-485 rail bus 1 x 2 pair	AWG22 / 0.34 mm <sup>2</sup>	Data circuit	EN 45545-2 HL1 to HL3 data cable system	57 Ω/km	6.8 mm

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