



THIN WALL SINGLE-CORE TRAIN WIRE

EN 50306-2

5 orderable sizes

STANDARD EN 50306-2	VOLTAGE CLASS 300 V	TEMPERATURE CLASS 90 °C or 105 °C class guide
CONDUCTOR Class 5 tinned copper conductor	INSULATION / JACKET Insulation-only thin wall rolling stock wire	

Construction

- 1**  **Conductor** – Class 5 tinned copper conductor · 32 × Ø0.2 mm · IEC 60228 cl.5
- 2**  **Insulation** – Thin wall halogen-free elastomer insulation

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
EN 50306 thin wall single core 300 V Space-saving fixed train wiring 1 core 0.5 mm ²	Space-saving fixed train wiring	Thin wall single core	1 core	0.5 mm ²	300 V	EN 45545-2 HL1 to HL3 material system	37.1 Ω/km	6.3 mm
EN 50306 thin wall single core 300 V Space-saving fixed train wiring 1 core 0.75 mm ²	Space-saving fixed train wiring	Thin wall single core	1 core	0.75 mm ²	300 V	EN 45545-2 HL1 to HL3 material system	24.7 Ω/km	6.6 mm
EN 50306 thin wall single core 300 V Space-saving fixed train wiring 1 core 1.0 mm ²	Space-saving fixed train wiring	Thin wall single core	1 core	1.0 mm ²	300 V	EN 45545-2 HL1 to HL3 material system	18.5 Ω/km	6.9 mm
EN 50306 thin wall single core 300 V Space-saving fixed train wiring 1 core 1.5 mm ²	Space-saving fixed train wiring	Thin wall single core	1 core	1.5 mm ²	300 V	EN 45545-2 HL1 to HL3 material system	12.7 Ω/km	7.3 mm
EN 50306 thin wall single core 300 V Space-saving fixed	Space-saving fixed	Thin wall	1 core	2.5 mm ²	300 V	EN 45545-2 HL1 to HL3	7.6 Ω/km	8.0 mm

Cable reference	Onboard duty	Wall system	Core / pair design	Conductor size	Voltage class	Fire class	Max DC resistance at 20 °C	OD guide
train wiring 1 core 2.5 mm ²	train wiring	single core				material system		

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