



STANDARD WALL SINGLE-CORE RAIL VEHICLE CABLE

EN 50264-3-1

15 orderable sizes

STANDARD EN 50264-3-1	VOLTAGE CLASS 0.6/1 kV	TEMPERATURE CLASS -45 °C to +120 °C fixed guide
CONDUCTOR Class 5 tinned copper conductor	INSULATION / JACKET Insulation-only rolling stock single core	

Construction

- 1 **Conductor** – Class 5 tinned copper conductor · 1221 × Ø0.5 mm · IEC 60228 cl.5
- 2 **Insulation** – Electron-beam cross-linked halogen-free 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 50264 single core 600 V 0.6/1 kV Auxiliary and control power wiring 1 core 1.5 mm ²	Auxiliary and control power wiring	Standard wall single core	1 core	1.5 mm ²	0.6/1 kV	EN 45545-2 HL1 to HL3 material system	12.7 Ω/km	8.8 mm
EN 50264 single core 600 V 0.6/1 kV Auxiliary and control power wiring 1 core 2.5 mm ²	Auxiliary and control power wiring	Standard wall single core	1 core	2.5 mm ²	0.6/1 kV	EN 45545-2 HL1 to HL3 material system	7.6 Ω/km	9.5 mm
EN 50264 single core 600 V 0.6/1 kV Auxiliary and control power wiring 1 core 4 mm ²	Auxiliary and control power wiring	Standard wall single core	1 core	4 mm ²	0.6/1 kV	EN 45545-2 HL1 to HL3 material system	4.7 Ω/km	10.4 mm
EN 50264 single core 600 V 0.6/1 kV Auxiliary and control power wiring 1 core 6 mm ²	Auxiliary and control power wiring	Standard wall single core	1 core	6 mm ²	0.6/1 kV	EN 45545-2 HL1 to HL3 material system	3.1 Ω/km	11.2 mm
EN 50264 single core 600 V 0.6/1 kV	Auxiliary and	Standard wall	1 core	10 mm ²	0.6/1 kV	EN 45545-2 HL1 to	1.83 Ω/km	12.6 mm

Cable reference	Onboard duty	Wall system	Core / pair design	Conductor size	Voltage class	Fire class	Max DC resistance at 20 °C	OD guide
Auxiliary and control power wiring 1 core 10 mm ²	control power wiring	single core				HL3 material system		
EN 50264 single core 600 V 0.6/1 kV Auxiliary and control power wiring 1 core 16 mm ²	Auxiliary and control power wiring	Standard wall single core	1 core	16 mm ²	0.6/1 kV	EN 45545-2 HL1 to HL3 material system	1.15 Ω/km	14.3 mm
EN 50264 single core 600 V 0.6/1 kV Auxiliary and control power wiring 1 core 25 mm ²	Auxiliary and control power wiring	Standard wall single core	1 core	25 mm ²	0.6/1 kV	EN 45545-2 HL1 to HL3 material system	0.727 Ω/km	16.2 mm
EN 50264 single core 600 V 0.6/1 kV Auxiliary and control power wiring 1 core 35 mm ²	Auxiliary and control power wiring	Standard wall single core	1 core	35 mm ²	0.6/1 kV	EN 45545-2 HL1 to HL3 material system	0.524 Ω/km	18.0 mm
EN 50264 single core 600 V 0.6/1 kV Auxiliary and control power wiring 1 core 50 mm ²	Auxiliary and control power wiring	Standard wall single core	1 core	50 mm ²	0.6/1 kV	EN 45545-2 HL1 to HL3 material system	0.387 Ω/km	20.2 mm
EN 50264 single core 600 V 0.6/1 kV Auxiliary and control power wiring 1 core 70 mm ²	Auxiliary and control power wiring	Standard wall single core	1 core	70 mm ²	0.6/1 kV	EN 45545-2 HL1 to HL3 material system	0.268 Ω/km	22.8 mm
EN 50264 single core 600 V 0.6/1 kV Auxiliary and control power wiring 1 core 95 mm ²	Auxiliary and control power wiring	Standard wall single core	1 core	95 mm ²	0.6/1 kV	EN 45545-2 HL1 to HL3 material system	0.193 Ω/km	25.5 mm
EN 50264 single core 600 V 0.6/1 kV Auxiliary and control power wiring 1 core 120 mm ²	Auxiliary and control power wiring	Standard wall single core	1 core	120 mm ²	0.6/1 kV	EN 45545-2 HL1 to HL3 material system	0.153 Ω/km	27.8 mm
EN 50264 single core 600 V 0.6/1 kV Auxiliary and control power wiring 1 core 150 mm ²	Auxiliary and control power wiring	Standard wall single core	1 core	150 mm ²	0.6/1 kV	EN 45545-2 HL1 to HL3 material system	0.123 Ω/km	30.3 mm
EN 50264 single core 600 V 0.6/1 kV Auxiliary and control power wiring 1 core 185 mm ²	Auxiliary and control power wiring	Standard wall single core	1 core	185 mm ²	0.6/1 kV	EN 45545-2 HL1 to HL3 material system	0.100 Ω/km	33.0 mm

Cable reference	Onboard duty	Wall system	Core / pair design	Conductor size	Voltage class	Fire class	Max DC resistance at 20 °C	OD guide
EN 50264 single core 600 V 0.6/1 kV Auxiliary and control power wiring 1 core 240 mm ²	Auxiliary and control power wiring	Standard wall single core	1 core	240 mm ²	0.6/1 kV	EN 45545-2 HL1 to HL3 material system	0.077 Ω/km	36.7 mm

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