



## SCREENED STANDARD WALL MULTICORE CABLE

EN 50264-3-2

20 orderable sizes

STANDARD <b>EN 50264-3-2</b>	VOLTAGE CLASS <b>300/500 V or 0.6/1 kV</b>	TEMPERATURE CLASS <b>-40 °C to +120 °C fixed guide</b>
CONDUCTOR <b>Class 5 tinned copper conductor</b>	INSULATION / JACKET <b>Halogen-free rolling stock outer sheath</b>	

### Construction

- 1 ■ **Conductor (per core)** – Class 5 tinned copper conductor · 16 × Ø0.2 mm · IEC 60228 cl.5
- 2 ■ **Core insulation** – Cross-linked halogen-free core insulation
- 3 ■ **Filler** – PP filler
- 4 ■ **Shield** – Braid shield (C)
- 5 ■ **Sheath** – Halogen-free rolling stock outer 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
EN 50264 screened multicore 300/500 V or 0.6/1 kV EMC-sensitive control circuits 2 core 0.5 mm <sup>2</sup>	EMC-sensitive control circuits	Standard wall screened multicore sheath	2 core	0.5 mm <sup>2</sup>	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	37.1 Ω/km	10.5 mm
EN 50264 screened multicore 300/500 V or 0.6/1 kV EMC-sensitive control circuits 2 core 0.75 mm <sup>2</sup>	EMC-sensitive control circuits	Standard wall screened multicore sheath	2 core	0.75 mm <sup>2</sup>	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	24.7 Ω/km	10.8 mm
EN 50264 screened multicore 300/500 V or 0.6/1 kV EMC-sensitive control circuits 2 core 1.0 mm <sup>2</sup>	EMC-sensitive control circuits	Standard wall screened multicore sheath	2 core	1.0 mm <sup>2</sup>	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	18.5 Ω/km	11.1 mm

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EN 50264 screened multicore 300/500 V or 0.6/1 kV EMC-sensitive control circuits 2 core 1.5 mm <sup>2</sup>	EMC-sensitive control circuits	Standard wall screened multicore sheath	2 core	1.5 mm <sup>2</sup>	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	12.7 Ω/km	11.5 mm
EN 50264 screened multicore 300/500 V or 0.6/1 kV EMC-sensitive control circuits 2 core 2.5 mm <sup>2</sup>	EMC-sensitive control circuits	Standard wall screened multicore sheath	2 core	2.5 mm <sup>2</sup>	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	7.6 Ω/km	12.2 mm
EN 50264 screened multicore 300/500 V or 0.6/1 kV EMC-sensitive control circuits 4 core 0.5 mm <sup>2</sup>	EMC-sensitive control circuits	Standard wall screened multicore sheath	4 core	0.5 mm <sup>2</sup>	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	37.1 Ω/km	11.4 mm
EN 50264 screened multicore 300/500 V or 0.6/1 kV EMC-sensitive control circuits 4 core 0.75 mm <sup>2</sup>	EMC-sensitive control circuits	Standard wall screened multicore sheath	4 core	0.75 mm <sup>2</sup>	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	24.7 Ω/km	11.7 mm
EN 50264 screened multicore 300/500 V or 0.6/1 kV EMC-sensitive control circuits 4 core 1.0 mm <sup>2</sup>	EMC-sensitive control circuits	Standard wall screened multicore sheath	4 core	1.0 mm <sup>2</sup>	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	18.5 Ω/km	11.9 mm
EN 50264 screened multicore 300/500 V or 0.6/1 kV EMC-sensitive control circuits 4 core 1.5 mm <sup>2</sup>	EMC-sensitive control circuits	Standard wall screened multicore sheath	4 core	1.5 mm <sup>2</sup>	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	12.7 Ω/km	12.4 mm
EN 50264 screened multicore 300/500 V or 0.6/1 kV EMC-sensitive control circuits 4 core 2.5 mm <sup>2</sup>	EMC-sensitive control circuits	Standard wall screened multicore sheath	4 core	2.5 mm <sup>2</sup>	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	7.6 Ω/km	13.1 mm
EN 50264 screened multicore 300/500 V or 0.6/1 kV EMC-sensitive control circuits 7 core 0.5 mm <sup>2</sup>	EMC-sensitive control circuits	Standard wall screened multicore sheath	7 core	0.5 mm <sup>2</sup>	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	37.1 Ω/km	12.3 mm
EN 50264 screened multicore 300/500 V	EMC-sensitive	Standard wall	7 core	0.75 mm <sup>2</sup>	300/500 V or	EN 45545-2 HL1 to	24.7 Ω/km	12.6 mm

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or 0.6/1 kV EMC-sensitive control circuits 7 core 0.75 mm <sup>2</sup>	control circuits	screened multicore sheath			0.6/1 kV	HL3 material system		
EN 50264 screened multicore 300/500 V or 0.6/1 kV EMC-sensitive control circuits 7 core 1.0 mm <sup>2</sup>	EMC-sensitive control circuits	Standard wall screened multicore sheath	7 core	1.0 mm <sup>2</sup>	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	18.5 Ω/km	12.9 mm
EN 50264 screened multicore 300/500 V or 0.6/1 kV EMC-sensitive control circuits 7 core 1.5 mm <sup>2</sup>	EMC-sensitive control circuits	Standard wall screened multicore sheath	7 core	1.5 mm <sup>2</sup>	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	12.7 Ω/km	13.3 mm
EN 50264 screened multicore 300/500 V or 0.6/1 kV EMC-sensitive control circuits 7 core 2.5 mm <sup>2</sup>	EMC-sensitive control circuits	Standard wall screened multicore sheath	7 core	2.5 mm <sup>2</sup>	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	7.6 Ω/km	14.0 mm
EN 50264 screened multicore 300/500 V or 0.6/1 kV EMC-sensitive control circuits 12 core 0.5 mm <sup>2</sup>	EMC-sensitive control circuits	Standard wall screened multicore sheath	12 core	0.5 mm <sup>2</sup>	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	37.1 Ω/km	13.5 mm
EN 50264 screened multicore 300/500 V or 0.6/1 kV EMC-sensitive control circuits 12 core 0.75 mm <sup>2</sup>	EMC-sensitive control circuits	Standard wall screened multicore sheath	12 core	0.75 mm <sup>2</sup>	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	24.7 Ω/km	13.8 mm
EN 50264 screened multicore 300/500 V or 0.6/1 kV EMC-sensitive control circuits 12 core 1.0 mm <sup>2</sup>	EMC-sensitive control circuits	Standard wall screened multicore sheath	12 core	1.0 mm <sup>2</sup>	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	18.5 Ω/km	14.1 mm
EN 50264 screened multicore 300/500 V or 0.6/1 kV EMC-sensitive control circuits 12 core 1.5 mm <sup>2</sup>	EMC-sensitive control circuits	Standard wall screened multicore sheath	12 core	1.5 mm <sup>2</sup>	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	12.7 Ω/km	14.5 mm

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EN 50264 screened multicore 300/500 V or 0.6/1 kV EMC-sensitive control circuits 12 core 2.5 mm <sup>2</sup>	EMC-sensitive control circuits	Standard wall screened multicore sheath	12 core	2.5 mm <sup>2</sup>	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	7.6 Ω/km	15.2 mm

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