



STANDARD WALL MULTICORE CONTROL CABLE

EN 50264-3-2

42 orderable sizes

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

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 ■ **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 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 2 core 0.5 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	2 core	0.5 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	37.1 Ω/km	9.5 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 2 core 0.75 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	2 core	0.75 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	24.7 Ω/km	9.8 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 2 core 1.0 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	2 core	1.0 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	18.5 Ω/km	10.1 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 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 2 core 1.5 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	2 core	1.5 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	12.7 Ω/km	10.5 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 2 core 2.5 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	2 core	2.5 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	7.6 Ω/km	11.2 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 2 core 4 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	2 core	4 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	4.7 Ω/km	12.1 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 2 core 6 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	2 core	6 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	3.1 Ω/km	12.9 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 3 core 0.5 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	3 core	0.5 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	37.1 Ω/km	10.0 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 3 core 0.75 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	3 core	0.75 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	24.7 Ω/km	10.3 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 3 core 1.0 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	3 core	1.0 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	18.5 Ω/km	10.6 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 3 core 1.5 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	3 core	1.5 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	12.7 Ω/km	11.0 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary	Control and auxiliary circuits	Standard wall multicore sheath	3 core	2.5 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3	7.6 Ω/km	11.7 mm

Cable reference	Onboard duty	Wall system	Core / pair design	Conductor size	Voltage class	Fire class	Max DC resistance at 20 °C	OD guide
circuits 3 core 2.5 mm ²						material system		
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 3 core 4 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	3 core	4 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	4.7 Ω/km	12.5 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 3 core 6 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	3 core	6 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	3.1 Ω/km	13.4 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 4 core 0.5 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	4 core	0.5 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	37.1 Ω/km	10.4 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 4 core 0.75 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	4 core	0.75 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	24.7 Ω/km	10.7 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 4 core 1.0 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	4 core	1.0 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	18.5 Ω/km	10.9 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 4 core 1.5 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	4 core	1.5 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	12.7 Ω/km	11.4 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 4 core 2.5 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	4 core	2.5 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	7.6 Ω/km	12.1 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 4 core 4 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	4 core	4 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	4.7 Ω/km	12.9 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control	Control and	Standard wall	4 core	6 mm ²	300/500 V or	EN 45545-2 HL1 to HL3	3.1 Ω/km	13.8 mm

Cable reference	Onboard duty	Wall system	Core / pair design	Conductor size	Voltage class	Fire class	Max DC resistance at 20 °C	OD guide
and auxiliary circuits 4 core 6 mm ²	auxiliary circuits	multicore sheath			0.6/1 kV	material system		
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 7 core 0.5 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	7 core	0.5 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	37.1 Ω/km	11.3 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 7 core 0.75 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	7 core	0.75 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	24.7 Ω/km	11.6 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 7 core 1.0 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	7 core	1.0 mm ²	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 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 7 core 1.5 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	7 core	1.5 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	12.7 Ω/km	12.3 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 7 core 2.5 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	7 core	2.5 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	7.6 Ω/km	13.0 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 7 core 4 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	7 core	4 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	4.7 Ω/km	13.8 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 7 core 6 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	7 core	6 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	3.1 Ω/km	14.7 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 12 core 0.5 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	12 core	0.5 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	37.1 Ω/km	12.5 mm
EN 50264 multicore control cable 300/500	Control and	Standard wall	12 core	0.75 mm ²	300/500 V or	EN 45545-2 HL1 to	24.7 Ω/km	12.8 mm

Cable reference	Onboard duty	Wall system	Core / pair design	Conductor size	Voltage class	Fire class	Max DC resistance at 20 °C	OD guide
V or 0.6/1 kV Control and auxiliary circuits 12 core 0.75 mm ²	auxiliary circuits	multicore sheath			0.6/1 kV	HL3 material system		
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 12 core 1.0 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	12 core	1.0 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	18.5 Ω/km	13.1 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 12 core 1.5 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	12 core	1.5 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	12.7 Ω/km	13.5 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 12 core 2.5 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	12 core	2.5 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	7.6 Ω/km	14.2 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 12 core 4 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	12 core	4 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	4.7 Ω/km	15.0 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 12 core 6 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	12 core	6 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	3.1 Ω/km	15.9 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 19 core 0.5 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	19 core	0.5 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	37.1 Ω/km	13.8 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 19 core 0.75 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	19 core	0.75 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	24.7 Ω/km	14.1 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 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 19 core 1.0 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	19 core	1.0 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	18.5 Ω/km	14.4 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 19 core 1.5 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	19 core	1.5 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	12.7 Ω/km	14.8 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 19 core 2.5 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	19 core	2.5 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	7.6 Ω/km	15.5 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 19 core 4 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	19 core	4 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	4.7 Ω/km	16.3 mm
EN 50264 multicore control cable 300/500 V or 0.6/1 kV Control and auxiliary circuits 19 core 6 mm ²	Control and auxiliary circuits	Standard wall multicore sheath	19 core	6 mm ²	300/500 V or 0.6/1 kV	EN 45545-2 HL1 to HL3 material system	3.1 Ω/km	17.2 mm