



THIN WALL SCREENED MULTIPAIR CABLE

EN 50306-4

12 orderable sizes

STANDARD EN 50306-4	VOLTAGE CLASS 300/500 V	TEMPERATURE CLASS 90 °C or 105 °C class guide
CONDUCTOR Class 5 tinned copper conductor	INSULATION / JACKET Thin wall halogen-free rolling stock sheath	

Construction

- 1 ■ Conductor (per core) – Class 5 tinned copper conductor · 32 × Ø0.2 mm · IEC 60228 cl.5
- 2 ■ Pair insulation – Thin wall halogen-free pair insulation
- 3 ■ Individual screen (IS) – Al/polyester foil + tinned-copper drain
- 4 ■ Filler – Bedding / filler
- 5 ■ Overall screen (OS) – Al/polyester foil + drain
- 6 ■ Sheath – Thin wall halogen-free rolling stock 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 50306 thin wall multipair screened 300/500 V Signal and control pair wiring 2 pair 0.5 mm ²	Signal and control pair wiring	Thin wall multipair sheath	2 pair	0.5 mm ²	300/500 V	EN 45545-2 HL1 to HL3 material system	37.1 Ω/km	10.8 mm
EN 50306 thin wall multipair screened 300/500 V Signal and control pair wiring 2 pair 0.75 mm ²	Signal and control pair wiring	Thin wall multipair sheath	2 pair	0.75 mm ²	300/500 V	EN 45545-2 HL1 to HL3 material system	24.7 Ω/km	11.1 mm
EN 50306 thin wall multipair screened 300/500 V Signal and control pair wiring 2 pair 1.0 mm ²	Signal and control pair wiring	Thin wall multipair sheath	2 pair	1.0 mm ²	300/500 V	EN 45545-2 HL1 to HL3 material system	18.5 Ω/km	11.3 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 50306 thin wall multipair screened 300/500 V Signal and control pair wiring 2 pair 1.5 mm ²	Signal and control pair wiring	Thin wall multipair sheath	2 pair	1.5 mm ²	300/500 V	EN 45545-2 HL1 to HL3 material system	12.7 Ω/km	11.8 mm
EN 50306 thin wall multipair screened 300/500 V Signal and control pair wiring 4 pair 0.5 mm ²	Signal and control pair wiring	Thin wall multipair sheath	4 pair	0.5 mm ²	300/500 V	EN 45545-2 HL1 to HL3 material system	37.1 Ω/km	12.0 mm
EN 50306 thin wall multipair screened 300/500 V Signal and control pair wiring 4 pair 0.75 mm ²	Signal and control pair wiring	Thin wall multipair sheath	4 pair	0.75 mm ²	300/500 V	EN 45545-2 HL1 to HL3 material system	24.7 Ω/km	12.3 mm
EN 50306 thin wall multipair screened 300/500 V Signal and control pair wiring 4 pair 1.0 mm ²	Signal and control pair wiring	Thin wall multipair sheath	4 pair	1.0 mm ²	300/500 V	EN 45545-2 HL1 to HL3 material system	18.5 Ω/km	12.6 mm
EN 50306 thin wall multipair screened 300/500 V Signal and control pair wiring 4 pair 1.5 mm ²	Signal and control pair wiring	Thin wall multipair sheath	4 pair	1.5 mm ²	300/500 V	EN 45545-2 HL1 to HL3 material system	12.7 Ω/km	13.0 mm
EN 50306 thin wall multipair screened 300/500 V Signal and control pair wiring 7 pair 0.5 mm ²	Signal and control pair wiring	Thin wall multipair sheath	7 pair	0.5 mm ²	300/500 V	EN 45545-2 HL1 to HL3 material system	37.1 Ω/km	13.3 mm
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EN 50306 thin wall multipair screened 300/500 V Signal and control pair wiring 7 pair 1.5 mm ²	Signal and control pair wiring	Thin wall multipair sheath	7 pair	1.5 mm ²	300/500 V	EN 45545-2 HL1 to HL3 material system	12.7 Ω/km	14.3 mm