



MOVING-ROUTE RAIL VEHICLE CABLE

EN 45545-2 rail flexible cable reference

20 orderable sizes

STANDARD EN 45545-2 rail flexible cable reference	VOLTAGE CLASS 300/500 V	TEMPERATURE CLASS -40 °C to +90 °C moving guide
CONDUCTOR Extra fine tinned copper conductor	INSULATION / JACKET Abrasion, oil and weather resistant rail flex sheath	

Construction

- 1 ■ **Conductor (per core)** – Extra fine tinned copper conductor · 30 × Ø0.25 mm · IEC 60228 cl.5
- 2 ■ **Core insulation** – Flexible halogen-free core insulation
- 3 ■ **Filler** – PP filler
- 4 ■ **Sheath** – Abrasion, oil and weather resistant rail flex 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
Rail flex control cable 300/500 V Door, bogie and gangway moving route 3 core 0.75 mm ²	Door, bogie and gangway moving route	Flexible halogen-free rail sheath	3 core	0.75 mm ²	300/500 V	EN 45545-2 rail flexible cable material system	24.7 Ω/km	10.5 mm
Rail flex control cable 300/500 V Door, bogie and gangway moving route 3 core 1.0 mm ²	Door, bogie and gangway moving route	Flexible halogen-free rail sheath	3 core	1.0 mm ²	300/500 V	EN 45545-2 rail flexible cable material system	18.5 Ω/km	10.8 mm
Rail flex control cable 300/500 V Door, bogie and gangway moving route 3 core 1.5 mm ²	Door, bogie and gangway moving route	Flexible halogen-free rail sheath	3 core	1.5 mm ²	300/500 V	EN 45545-2 rail flexible cable material system	12.7 Ω/km	11.2 mm

Cable reference	Onboard duty	Wall system	Core / pair design	Conductor size	Voltage class	Fire class	Max DC resistance at 20 °C	OD guide
Rail flex control cable 300/500 V Door, bogie and gangway moving route 3 core 2.5 mm ²	Door, bogie and gangway moving route	Flexible halogen-free rail sheath	3 core	2.5 mm ²	300/500 V	EN 45545-2 rail flexible cable material system	7.6 Ω/km	11.9 mm
Rail flex control cable 300/500 V Door, bogie and gangway moving route 4 core 0.75 mm ²	Door, bogie and gangway moving route	Flexible halogen-free rail sheath	4 core	0.75 mm ²	300/500 V	EN 45545-2 rail flexible cable material system	24.7 Ω/km	10.9 mm
Rail flex control cable 300/500 V Door, bogie and gangway moving route 4 core 1.0 mm ²	Door, bogie and gangway moving route	Flexible halogen-free rail sheath	4 core	1.0 mm ²	300/500 V	EN 45545-2 rail flexible cable material system	18.5 Ω/km	11.2 mm
Rail flex control cable 300/500 V Door, bogie and gangway moving route 4 core 1.5 mm ²	Door, bogie and gangway moving route	Flexible halogen-free rail sheath	4 core	1.5 mm ²	300/500 V	EN 45545-2 rail flexible cable material system	12.7 Ω/km	11.6 mm
Rail flex control cable 300/500 V Door, bogie and gangway moving route 4 core 2.5 mm ²	Door, bogie and gangway moving route	Flexible halogen-free rail sheath	4 core	2.5 mm ²	300/500 V	EN 45545-2 rail flexible cable material system	7.6 Ω/km	12.3 mm
Rail flex control cable 300/500 V Door, bogie and gangway moving route 5 core 0.75 mm ²	Door, bogie and gangway moving route	Flexible halogen-free rail sheath	5 core	0.75 mm ²	300/500 V	EN 45545-2 rail flexible cable material system	24.7 Ω/km	11.2 mm
Rail flex control cable 300/500 V Door, bogie and gangway moving route 5 core 1.0 mm ²	Door, bogie and gangway moving route	Flexible halogen-free rail sheath	5 core	1.0 mm ²	300/500 V	EN 45545-2 rail flexible cable material system	18.5 Ω/km	11.5 mm
Rail flex control cable 300/500 V Door, bogie and gangway moving route 5 core 1.5 mm ²	Door, bogie and gangway moving route	Flexible halogen-free rail sheath	5 core	1.5 mm ²	300/500 V	EN 45545-2 rail flexible cable material system	12.7 Ω/km	11.9 mm
Rail flex control cable 300/500 V Door, bogie and gangway	Door, bogie and	Flexible halogen-	5 core	2.5 mm ²	300/500 V	EN 45545-2 rail flexible	7.6 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
moving route 5 core 2.5 mm ²	gangway moving route	free rail sheath				cable material system		
Rail flex control cable 300/500 V Door, bogie and gangway moving route 7 core 0.75 mm ²	Door, bogie and gangway moving route	Flexible halogen- free rail sheath	7 core	0.75 mm ²	300/500 V	EN 45545-2 rail flexible cable material system	24.7 Ω/km	11.8 mm
Rail flex control cable 300/500 V Door, bogie and gangway moving route 7 core 1.0 mm ²	Door, bogie and gangway moving route	Flexible halogen- free rail sheath	7 core	1.0 mm ²	300/500 V	EN 45545-2 rail flexible cable material system	18.5 Ω/km	12.1 mm
Rail flex control cable 300/500 V Door, bogie and gangway moving route 7 core 1.5 mm ²	Door, bogie and gangway moving route	Flexible halogen- free rail sheath	7 core	1.5 mm ²	300/500 V	EN 45545-2 rail flexible cable material system	12.7 Ω/km	12.5 mm
Rail flex control cable 300/500 V Door, bogie and gangway moving route 7 core 2.5 mm ²	Door, bogie and gangway moving route	Flexible halogen- free rail sheath	7 core	2.5 mm ²	300/500 V	EN 45545-2 rail flexible cable material system	7.6 Ω/km	13.2 mm
Rail flex control cable 300/500 V Door, bogie and gangway moving route 12 core 0.75 mm ²	Door, bogie and gangway moving route	Flexible halogen- free rail sheath	12 core	0.75 mm ²	300/500 V	EN 45545-2 rail flexible cable material system	24.7 Ω/km	13.0 mm
Rail flex control cable 300/500 V Door, bogie and gangway moving route 12 core 1.0 mm ²	Door, bogie and gangway moving route	Flexible halogen- free rail sheath	12 core	1.0 mm ²	300/500 V	EN 45545-2 rail flexible cable material system	18.5 Ω/km	13.3 mm
Rail flex control cable 300/500 V Door, bogie and gangway moving route 12 core 1.5 mm ²	Door, bogie and gangway moving route	Flexible halogen- free rail sheath	12 core	1.5 mm ²	300/500 V	EN 45545-2 rail flexible cable material system	12.7 Ω/km	13.7 mm
Rail flex control cable 300/500 V Door, bogie and gangway moving route 12 core 2.5 mm ²	Door, bogie and gangway moving route	Flexible halogen- free rail sheath	12 core	2.5 mm ²	300/500 V	EN 45545-2 rail flexible cable material system	7.6 Ω/km	14.4 mm

