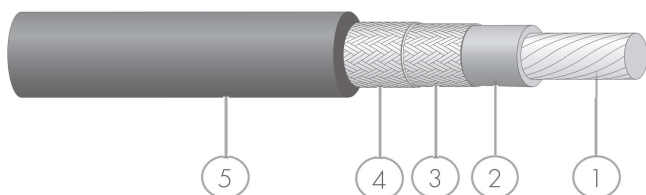


RADOX® Jumper 1800V OM S T

Conductor	EN 60228, class 5	Voltage rating	1800/3000 V AC
Number of conductors	1		2700/4500 V DC
Cross section	16 - 185 mm ²	Temperature range	-40 to +110 °C



Composition of cable

1. Conductor	stranded tin plated copper, acc. EN 60228, class 5
2. Insulation	RADOX EI 110, colour: white RADOX EI 109, colour: black
3. EMC screen	tin plated copper braid
4. Torsion protection	textil yarn
5. Sheath	RADOX EM 104J, colour: black

Min. bending radius*

Fixed installation	bending angle $\leq 90^\circ$	all D	$2 \times D$
	bending angle $> 90^\circ$	$D \leq 10 \text{ mm}$	$3 \times D$
	bending angle $< 90^\circ$	$D > 10 \text{ mm}$	$4 \times D$
Free installation			$10 \times D$

* Provided that careful and competent handling is used in combination with proven fixture methods.

Application

- RADOX Jumper cables are particularly well suited to situations where continuous movement with torsion loads have to be taken into account alongside stringent fire safety requirements.

Standards

Standard	Fire protection on railway vehicles	
DIN 5510-2	hazard level	1, 2, 3, 4
EN 45545-2		
UNI CEI 11170-3		

For further technical details please refer to our data sheet.



single core, screened, with torsion protection

Cross section	Conductor		Core	Screen		Cable	Conductor resistance		Z _T	Cap-acity*	Fire load	Weight		Item no.
mm ²	Construction n × mm	D _{nom.} mm	D mm	D _{max.} mm	mm ²	D mm	Cond. R ₂₀ max. Ω/km	Screen R ₂₀ max. Ω/km	max. mΩ/m	C pF/m	nom. kJ/m	Copper kg/100 m	Cable kg/100 m	
16	266 × 0.30	6.0	10.3	11.1	3.46	15.5 ± 0.30	1.22	8.5	250	448	3206	21	43	84119864
25	518 × 0.25	7.6	12.0	12.8	3.96	17.5 ± 0.30	0.8	7.5	250	530	3967	30	57	84128731
35	700 × 0.25	8.6	13.2	14.0	4.45	18.5 ± 0.30	0.55	6.7	250	579	4241	38	68	84095754
50	854 × 0.30	10.9	15.6	16.6	6.34	21.0 ± 0.30	0.39	4.7	250	694	4979	54	91	12585831
70	1008 × 0.30	12.2	17.0	18.0	7.13	22.5 ± 0.30	0.27	4.2	250	757	5585	73	114	12585837
95	1316 × 0.30	14.1	19.0	20.0	8.32	24.5 ± 0.30	0.21	3.6	250	837	6273	94	140	84101653
120	960 × 0.40	16.2	21.1	22.1	8.32	26.5 ± 0.30	0.16	3.7	250	950	6843	121	174	12585832
150	880 × 0.40 + 588 × 0.30	17.6	22.5	23.5	9.51	28.0 ± 0.40	0.13	3.1	250	1014	7370	150	207	84098250
185	1520 × 0.40	19.7	24.7	25.7	9.51	30.5 ± 0.40	0.11	3.3	250	1102	8555	186	251	84119900

* capacity conductor/screen typical value

O: insulation material designation according to EN 50264-1

M: material designation according to EN 50264-1

S: metallic screen braid

T: torsion protection

