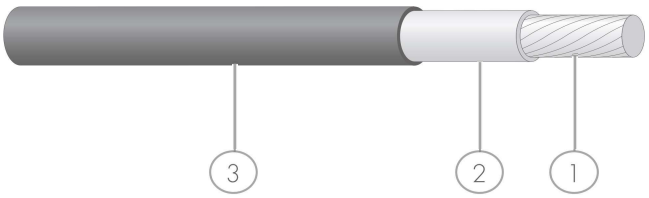
RADOX® Jumper 3600V MM single core

Conductor	EN 60228, class 5	Voltage rating	3600/6000 V AC
Number of conductors	1		5400/9000 V DC
Cross section	16 – 185 mm²	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: white
3. Sheath	RADOX EM 104J, colour: black

Min. bending radius*

Fixed installation	bending angle ≤ 90°	all D	2 × D
	bending angle > 90°	D ≤ 10 mm	3 × D
	bending angle < 90°	D > 10 mm	4 × D
Free installation			7 × D

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

Application

- RADOX Jumper cables are especially well suited to situations where continuous movement and stringent fire safety requirements have to be taken into account (without torsion loading).

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.

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Cross section	Conductor		Core	Cable	Conductor resistance	Capacity*	Fire load	Weight		Item no.
mm^2	Construction n × mm	$D_{nom.}$ mm	D mm	D mm	R_{20} max. Ω/km	CH20 pF/m	kJ/m	Copper kg/100 m	Cable kg/100 m	
16	266 × 0.30	6.0	10.6	13.5 ± 0.3	1.22	420	2770	16	33	84119315
25	518 × 0.25	7.6	12.4	15.5 ± 0.3	0.8	490	3600	25	46	84123219
35	700 × 0.25	8.6	13.6	17.0 ± 0.3	0.55	530	4220	32	58	84123220
50	854 × 0.30	10.9	16.5	20.5 ± 0.3	0.38	590	5710	45	82	84123221
70	1008 × 0.30	12.2	18.0	22.0 ± 0.3	0.27	630	6830	63	106	84123222
95	1316 × 0.30	14.1	20.3	24.5 ± 0.4	0.21	670	7660	82	134	84124429
120	960 × 0.40	16.2	22.5	27.5 ± 0.4	0.16	740	10310	109	174	84124430
150	880 × 0.4 0 + 588 × 0.30	17.6	24.2	29.0 ± 0.4	0.13	760	11230	136	207	84123223
185	1520 × 0.40	19.7	26.3	31.5 ± 0.4	0.11	810	12420	172	251	84124426

* capacity in water, typical value

MM: insulation and sheath material designation according to EN 50264-1

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