



MXC CROSSLINKED 1000 0,6/1KV

Single-conductor, power and signalling cables used in railway rolling stock with a specific resistance to fire. Mounted in enclosed installations inside and outside rail vehicles to connect fixed and mobile parts.

Conductor: Cu, class 5 (acc. to EN 60228)

Insulation: halogen-free polyolefin blend

Nominal voltage: U0/U 600/1000V

Max continuous working temperature: 90°C

Bending radius of cable [mm]:

fixed-mounted: $D \leq 10 \text{ mm } 3 \times D$; $D > 10 \text{ mm } 4 \times D$

with sporadic movements: $D \leq 10 \text{ mm } 5 \times D$; $D > 10 \text{ mm } 6 \times D$

with frequent movements: $10 \times D$

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D – cable diameter

Cables conform to PN-K 02511:2000 standard.

Nominal cross-section	Conductor structure		Insulation	Wire	
	Single wire diameter	Resistance at 20°C	Wall insulation thickness	Outer diameter of cable	
	(max.)	(max.)	(nom.)	(min.)	(max.)
mm ²	mm	mΩ/m	mm	mm	
1	0,21	19,500	0,6	2,35	2,55
1,5	0,26	13,300	0,6	2,6	2,8
2,5	0,26	7,980	0,6	3,2	3,4
4	0,31	4,950	0,6	3,85	4,05
6	0,31	3,300	0,8	4,55	4,85
10	0,41	1,910	1,0	5,7	6,0
16	0,41	1,210	1,25	7,15	7,45
25	0,41	0,780	1,25	8,7	9,1
35	0,41	0,554	1,25	10,0	10,4
50	0,41	0,386	1,45	11,7	12,1
70	0,41	0,272	1,9	14,05	14,55

Nominal cross-section	Conductor structure		Insulation	Wire	
	Single wire diameter	Resistance at 20°C	Wall insulation thickness	Outer diameter of cable	
	(max.)	(max.)	(nom.)	(min.)	(max.)
mm ²	mm	mΩ/m	mm	mm	
95	0,41	0,206	1,5	15,65	16,15
120	0,41	0,161	1,5	17,6	18,2