

**LgN-K 0,6 /1 kV ZN-FKR-50264-026:2019****Halogen-free flame retardant power cables for railway rolling stock.  
Single-core cables with cross-linked insulation for rated voltage 0,6/1 kV**

<b>Standard:</b>	ZN-FKR-50264-026:2019		
<b>Related standards:</b>	PN-EN 45545-2+A1:2015-12; PN-EN 60228:2007; PN-EN 50264-3-1:2008.		
<b>CONSTRUCTION</b>			
<b>Conductor</b>	Stranded tin plated copper wires, class 5 according to EN 60228:2007		
<b>Insulation</b>	Cross-linked halogen free, flame retardant compound		
<b>Color of insulation</b>	Grey		
<b>CHARACTERISTIC</b>			
<b>Rated voltage</b>	0,6/1 kV		
<b>Test voltage</b>	3,5 kV		
<b>Working temperature range</b>	from - 40 °C to + 90 °C		
<b>Minimum installation temperature</b>	- 5 °C		
<b>The minimum bending radius</b>	Not lower than 3D		
<b>Example of cable marking</b>	<b>ROGUM KABLE sp. z o.o. LgN-K 0,6/1 kV 1x10 mm<sup>2</sup> ZN-FKR-50264-026:2019 ID: 2081725</b> Power cable with tin-plated copper conductors, class 5 (Lg), halogen-free insulation (N), for rolling stock (K).		
<b>APPLICATION</b>			
Typical applications for power supply to various systems inside railway rolling stock at fixed or sporadic moving installations.			
<b>CERTIFICATE AND APPROVALS</b>			
Certificate of conformity standard PN-EN 45545-2+A1:2015-12 from Railway Institute			
<b>ADDITIONAL INFORMATION</b>			
At the client's request, it is possible to: • change the color of the insulation In matters relating to detailed technical data, please contact our Technical Advisor: <a href="mailto:doradztwotechniczne@rogum.com.pl">doradztwotechniczne@rogum.com.pl</a>			
<b>CARD NUMBER</b>	100	<b>RELEASE DATE</b>	21-08-2019



CONSTRUCTION				
Cross-section of core	Max diameter of the wires in the core	Nominal thickness of the insulation	Max cable diameter	Approximate weight of the cable
mm <sup>2</sup>	mm	mm	mm	kg/km
1,0	0,21	0,6	2,8	14
1,5	0,26	0,7	3,3	19
2,5	0,26	0,7	3,8	29
4	0,31	0,7	4,4	45
6	0,31	0,7	5,0	62
10	0,41	0,7	5,9	106
16	0,41	0,7	7,2	156
25	0,41	0,9	9,1	241
35	0,41	0,9	10,6	336
50	0,41	1,0	12,4	485
70	0,51	1,1	14,6	661
95	0,51	1,1	16,3	881
120	0,51	1,2	18,4	1090
150	0,51	1,4	20,6	1379
185	0,51	1,6	22,9	1724
240	0,51	1,7	26,8	2151

PARAMETERS	
Cross-section of core	The highest conductor resistance at 20 °C
mm <sup>2</sup>	Ω/km
1,0	20,0
1,5	13,7
2,5	8,21
4	5,09
6	3,39
10	1,95
16	1,24
25	0,795
35	0,565
50	0,393
70	0,277
95	0,210
120	0,164
150	0,132
185	0,108
240	0,0817