

## LIHH 300/500 V ZN-FKR-50264-029:2019



**Multicore control cables with halogen-free insulation and halogen-free, flame retardant and low smoke emission sheath for rated voltage 300/500 V**

<b>Standard:</b>	ZN-FKR-50264-029:2019
<b>Related standards:</b>	PN-EN 45545-2+A1:2015-12; PN-EN 60228:2007; PN-EN 50264-3-2:2008.

### CONSTRUCTION

<b>Conductor</b>	Stranded tin plated copper wires, class 5 according to EN 60228:2007
<b>Insulation</b>	Cross-linked halogen free compound
<b>Sheath</b>	Halogen free, flame retardant, low smoke compound
<b>Color of sheath</b>	Grey
<b>Core identification</b>	Black with yellow numbers or coloured cores up to 5 cores (according to PN-HD 308 S2:2007)

### CHARACTERISTIC

<b>Rated voltage</b>	300/500 V
<b>Test voltage</b>	2 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>	for fixed installation – 5D for sporadic moves – 10D
<b>Example of cable marking</b>	<b>ROGUM KABLE sp. z o.o. 300/500 V 5x1,5 mm<sup>2</sup> ZN-FKR-50264-029:2019 ID: 2081725</b> Control cable with tin-plated multi-strand copper conductors, class 5 (Li) with halogen-free insulation (H) and a halogen-free sheath (H).

### APPLICATION

Cables for control, signaling and monitoring circuits or installations in special fire safety conditions.

### CERTIFICATE AND APPROVALS

Certificate of conformity standard PN-EN 45545-2+A1:2015-12 from Railway Institute

### ADDITIONAL INFORMATION

At the client's request, it is possible to:

- change the color of the insulation/sheath

In matters relating to detailed technical data, please contact our Technical Advisor: [doradztwotechniczne@rogum.com.pl](mailto:doradztwotechniczne@rogum.com.pl)

<b>CARD NUMBER</b>	110	<b>RELEASE DATE</b>	21-08-2019
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<b>CONSTRUCTION</b>					
Cross-section of core	Max diameter of the wires in the core	Nominal thickness of the insulation	Nominal thickness of the sheath	Max cable diameter	Approximate weight of the cable
mm <sup>2</sup>	mm	mm	mm	mm	kg/km
2x1	0,21	0,4	0,6	6,2	38
4x1	0,21	0,4	0,6	7,2	67
7x1	0,21	0,4	0,7	8,7	109
9x1	0,21	0,4	0,7	10,6	150
12x1	0,21	0,4	0,7	11,5	179
19x1	0,21	0,4	0,8	13,7	277
24x1	0,21	0,4	1,0	16,5	361
32x1	0,21	0,4	1,0	18,2	473
37x1	0,21	0,4	1,0	18,9	533
4x1,5	0,26	0,5	0,7	8,6	89
7x1,5	0,26	0,5	0,7	10,2	140
9x1,5	0,26	0,5	0,8	12,7	199
12x1,5	0,26	0,5	0,8	13,8	236
19x1,5	0,26	0,5	1,0	16,6	370
24x1,5	0,26	0,5	1,0	19,5	464
32x1,5	0,26	0,5	1,2	21,9	627
37x1,5	0,26	0,5	1,2	22,8	705
4x2,5	0,26	0,5	0,7	9,8	135
7x2,5	0,26	0,5	0,8	11,9	221
9x2,5	0,26	0,5	1,0	15,1	317
12x2,5	0,26	0,5	1,0	16,3	380
19x2,5	0,26	0,5	1,0	19,1	578
24x2,5	0,26	0,5	1,2	22,9	744

<b>PARAMETERS</b>	
Cross-section of core	The highest conductor resistance at 20°C
mm <sup>2</sup>	Ω/km
1	20,0
1,5	13,7
2,5	8,21
4	5,09
6	3,39
10	1,95
16	1,24