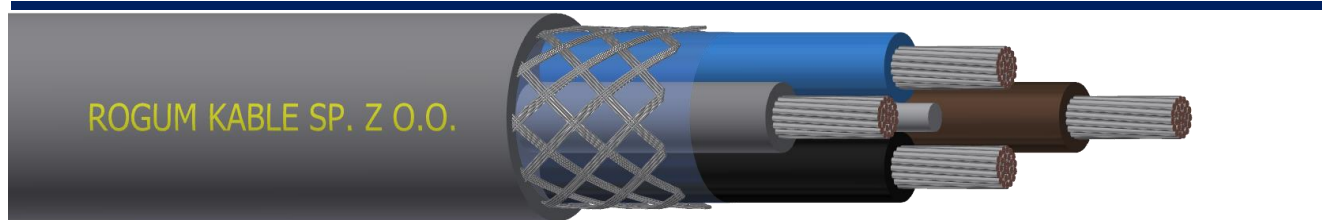


## LIHCH 300/500V ZN-FKR-50264-029:2019



**Screened 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-50264-046:2019		
<b>Related standards:</b>	PN-EN 45545-2+A1:2015-12; PN-EN 60228:2007; PN-EN 50264-3-2:2008.		
<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 compound		
<b>Screen</b>	Tin plated copper braid with polyester tape under screen.		
<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)		
<b>CHARACTERISTIC</b>			
<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>	<p><b>ROGUM KABLE sp. z o.o. LIHCH 300/500 V 5x1,5 mm<sup>2</sup> ZN-FKR-50264-046:2019 ID: 2081725</b></p> <p>Control cable with tin-plated multi-strand copper conductors, class 5 (Li) with halogen-free insulation (H) with a common screen on the core of a braid made of tinned copper wires (C) and a halogen-free sheath (H).</p>		
<b>APPLICATION</b>			
Cables for control, signaling and monitoring circuits or installations in special fire safety conditions.			
<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/sheath			
In matters relating to detailed technical data, please contact our Technical Advisor: doradztwotechniczne@rogum.com.pl			
<b>CARD NUMBER</b>	108	<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	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	7,1	60
4x1	0,21	0,4	0,7	8,2	95
7x1	0,21	0,4	0,7	9,6	140
9x1	0,21	0,4	0,8	11,9	230
12x1	0,21	0,4	0,8	12,7	260
19x1	0,21	0,4	1,0	15,4	370
24x1	0,21	0,4	1,0	17,8	460
32x1	0,21	0,4	1,0	19,4	570
37x1	0,21	0,4	1,0	20,1	630
4x1,5	0,26	0,5	0,7	9,4	125
7x1,5	0,26	0,5	0,7	11,3	175
9x1,5	0,26	0,5	1,0	14,2	290
12x1,5	0,26	0,5	1,0	15,2	325
19x1,5	0,26	0,5	1,0	17,9	475
24x1,5	0,26	0,5	1,2	21,2	585
32x1,5	0,26	0,5	1,2	23,2	730
37x1,5	0,26	0,5	1,2	24,0	805
4x2,5	0,26	0,5	0,7	10,8	175
7x2,5	0,26	0,5	0,8	13,0	300
9x2,5	0,26	0,5	1,0	16,3	400
12x2,5	0,26	0,5	1,0	17,5	460
19x2,5	0,26	0,5	1,2	20,8	700
24x2,5	0,26	0,5	1,2	24,1	850

PARAMETERS	
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