

LgY-K 450/750 V

ROGUM KABLE SP. Z O.O.

Polyvinyl chloride insulated power cables for rolling stock. Single-core cables for rated voltage of 750 V

Standard: PN-E-90116:1988

Related standards: PN-E-90115:1988; PN-EN 60228:2007; PN-EN 50363-3:2010/A1:2011

CONSTRUCTION

Conductor Stranded tin plated copper wires, class 5

Insulation Insulating polyvinyl chloride in normal design

Color of insulation Black

CHARACTERISTIC

Rated voltage 450/750 V

Test voltage 2,5 kV

Working temperature range from - 30 °C to + 70 °C

Minimum installation temperature - 5 °C

The minimum bending radius
for fixed installation – 3D
for sporadic moving – 4D

Example of cable marking **ROGUM KABLE sp. z o.o. LgY-K 450/750V 1x2,5mm² ID: 2081725**
Power cable with tin-plated copper conductors, class 5 (Lg), with polyvinyl chloride insulation (Y), for rolling stock (K).

APPLICATION

Typical applications for permanent installation in railroad rolling stock, including areas exposed to weather and lubricants.

CERTIFICATE AND APPROVALS

ADDITIONAL INFORMATION

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: doradztwotechniczne@rogum.com.pl

CARD NUMBER

34

RELEASE DATE

26-06-2023

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 ²	mm	mm	mm	kg/km
0,75	0,21	0,8	3,2	14
1,0	0,21	0,8	3,3	17
1,5	0,26	0,8	3,6	20
2,5	0,26	0,9	4,3	33
4	0,31	1,0	5,1	51
6	0,31	1,0	6,3	74
10	0,41	1,2	7,8	122
16	0,41	1,2	9,3	174
25	0,41	1,4	11,5	264
35	0,41	1,4	12,5	362
50	0,41	1,6	14,3	522
70	0,51	1,6	16,5	697
95	0,51	1,8	19,9	937
120	0,51	1,8	20,9	1143

PARAMETERS	
Cross-section of core	The highest conductor resistance at 20 °C
mm ²	Ω/km
0,75	26,7
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