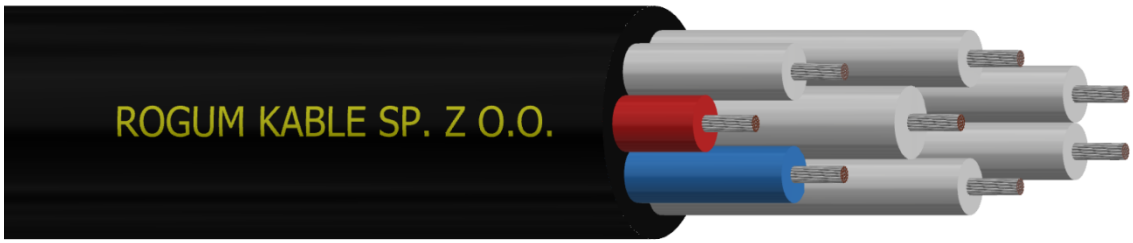
GLggGb(c)-K 3 kV FLEX, GLggGb(c)-K 3 kV FLEX



Power cables insulated and sheathed in flexible polymeric material for rolling stock. Multicore cables for rated voltage of 3kV.

Standard:	ZN-FKR-025:2012/A1:2016
Related standards:	PN-EN 60228:2007; PN-EN 50363-2-1:2008; PN-89/E-29100.
CONSTRUCTION	
Conductor	Stranded tin plated copper wires, class 5 (Lg) or class 6 (Lgg)
Insulation	Specialized copolymer compound, heat resistant with increased flexibility.
Color of insulation	2-core: white, black 3-core: white, black, red 4-core: white, black, red, blue more than 4 cores: meter conductor - red, directional conductor - blue, other conductors - uniform color white or alternately black and white
Tire	Specialized polymer compound with increased flexibility.
Tire color	Black
CHARACTERISTIC	
Rated voltage	1,8/3 kV
Test voltage	12 kV
Working temperature range	from - 50 °C to + 90 °C
Minimum installation temperature	- 40 °C
The minimum bending radius	5D
Example of cable marking	**ROGUM KABLE sp. z o.o GLgGb(c)-K 3 kV FLEX 3x2,5 mm² ID:2081725** Power cable with cl. 5 copper conductors (Lg), with heat-resistant insulation (Gc) and flame-retardant sheath (G), for rolling stock (K). FLEX- increased flexibility.

APPLICATION

Designed for permanent installation (GLgGb/c-K) and mobile connections (GLggGb/c-K) in railroad rolling stock, including areas exposed to weather conditions and lubricants.

CERTIFICATE AND APPROVALS

ADDITIONAL INFORMATION

At the client's request, it is possible to:
- change the color of the insulation,
- manufacture of non-standard conduit with other cross sections at the request of the customer.

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

CARD NUMBER	39	**RELEASE DATE**	28-06-2023

RAILWAY ROLLING STOCK

CONSTRUCTION						
GLggGb/c-K FLEX 1,8/3kV						
Number of conductors	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
n	mm^2	mm	mm	mm	mm	kg/km
3	2,5	0,21	2,3	3,2	24,0	481
4	2,5	0,21	2,3	3,2	26,0	564

PARAMETERS	
Cross-section of core	The highest conductor resistance at 20 °C
mm^2	Ω/km
2,5	8,21