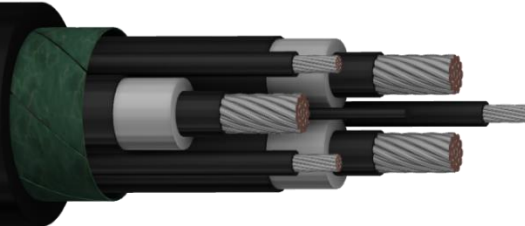


**OGc 3,6/6 kV FLEX****ROGUM KABLE SP.Z O.O.****Mining power cables for mobile and portable devices, shielded. Rated voltage 3,6/6**

<b>According to</b>	ZN-FKR-021:2008/A3:2022; PN-EN 60332-1-2:2010/A1:2016-02
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**CONSTRUCTION**

<b>Conductor</b>	Annealed, multi-stranded, tinned copper, class 5 flexible conductor acc. to PN-EN 60228
<b>Conductor shield</b>	Layer of conductive, non-metallic polymer material with properties corresponding to GP type material acc. to PN-E-29100:1989
<b>Insulation</b>	Heatproof polymer material with properties corresponding to IEP type material acc. to PN-89/E-29100
<b>Insulation colour</b>	Power cores - natural (white)
<b>Insulation shield</b>	Layer of conductive, non-metallic polymer material with properties corresponding to GP type material acc. to PN-E-29100:1989
<b>Protective conductor</b>	Protective conductor divided into 3 pieces, each piece is covered in a layer of conductive, non-metallic polymer material with properties corresponding to GP type material acc. to PN-E-29100:1989
<b>Central filler</b>	Layer of conductive, non-metallic polymer material with properties corresponding to GP type material acc. to PN-E-29100:1989
<b>Cable core</b>	Cable core consists of 3 power cores and 3 pieces of protective conductor (placed between power cores) stranded around central filler piece made of conductive polymer material. Core wrapped in a layer of conductive tape.
<b>Sheath</b>	Polymer material with properties corresponding to OZ-3 type material acc. to PN-89/E-29100
<b>Sheath colour</b>	Black

**CHARACTERISTIC**

<b>Rated voltage Uo/U</b>	3,6/6 kV
<b>Test voltage for power cores</b>	11 kV
<b>Maximum core temperature during operation</b>	+90 °C
<b>Maximum core temperature during short circuit</b>	+250 °C
<b>Ambient temperature range for permanently fixed cables</b>	-40°C to +90°C
<b>Ambient temperature range for mobile connections</b>	-25°C to +80°C
<b>Minimum bending radius</b>	Fixed installation – 6D; Portable devices – 12D

<b>Cable name explanation</b>	OGc FLEX – Sheathed (O) mining power cables (G) with insulation made of heatproof polymer material (c) and increased flexibility (FLEX)
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<b>Cable marking</b>	OGc-G 0,6/1kV 3x35+3x6 mm <sup>2</sup> ROGUM KABLE Sp. z o.o. + cable ID + meter mark + year of production Each cable has a legible and permanent marking repeated cyclically, printed or embossed (in cables with conductor size equal or greater than 25mm <sup>2</sup> ) longitudinally on outer sheath including in particular: manufacturer's name, cable / wire type, cross-section, number of wires, rated voltage, identifier, year of production and the length of the delivered section.		
<b>APPLICATION</b>			
Power cables for open-pit mining machines.			
<b>CERTIFICATES AND APPROVALS</b>			
EMAG certificate (Łukasiewicz Research Network – Institute of Innovative Technologies)			
<b>ADDITIONAL INFORMATION</b>			
On request there is a possibility: <ul style="list-style-type: none"> <li>to change the colour of the sheath;</li> </ul> In all cases concerning detailed technical data please contact our Client Advisor: <a href="mailto:doradztwotechniczne@rogum.com.pl">doradztwotechniczne@rogum.com.pl</a>			
<b>CARD NUMBER</b>	124	<b>EDITION</b>	21.03.2023

<b>CABLE CONSTRUCTION</b>			
Total number of cores	Number of cores x cross-sectional area	Maximum cable outer diameter	Approximated cable mass
	Power cores + protective conductor		
n	n x mm <sup>2</sup>	mm	kg/km
4	3x16+3x6 (3x16+3x16/3)	50,0	2000
	3x25+3x6 (3x25+3x16/3)	54,9	2400
	3x35+3x6 (3x35+3x16/3)	60,2	3100
	3x35+3x16 (3x35+3x50/3)	60,2	3300
	3x50+3x10 (3x50+3x35/3)	63,5	3800
	3x70+3x16 (3x70+3x50/3)	69,0	4600
	3x95+3x16 (3x95+3x50/3)	72,1	5500
	3x120+3x16 (3x120+3x50/3)	73,0	6300
	3x120+3x25 (3x120+3x70/3)	73,0	7300
	3x150+3x25 (3x150+3x70/3)	76,0	8200