Screened mining control cable
2YSLGCGOEU

Application: Control, signal and bus cable for the connection of electrical equipment, in computer systems, measured value and process control in opencast mining. For installation along conveyor belts and on conveyor systems.

Wrapping of non-hygroscopic material over the stranding

Construction and technical data:

Standard:	DIN VDE 0250-1 (with ref. to)
Conductor material:	copper, bare
Conductor construction:	Class 5 = flexible
Insulation:	polyethylene
Stranding unit:	Pair
Stranding:	Layers
Material inner sheath:	rubber compound based on PCP
Screen:	tinned copper braid
Torsion:	+/- 25 °/m
Sheathing material:	chlorinated polyethylene
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	yes
Oil-resistant:	EN 60811-404
Ozone-resistant:	yes
Max. temperature at conductor, °C:	60 °C
Max. short circuit temperature at conductor, °C:	150 °C
Permitted outer cable temperature, fixed, °C:	-40 - +60 °C
Permitted outer cable temperature, moved, °C:	-25 - +60 °C
Bending radius, fixed installation:	4 x Ø
Bending radius, moving application:	5 x Ø
Maximum tensile strength at the conductor:	15 N/mm²

The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

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Nominal voltage Uo: 250 V

Nominal voltage U: 250 V

Test voltage: 1.5 kV

Core identification: numbers

part no.	part name	Rl [Ohm/km]	Ibl [A]	Ø [mm]	Cu	G [kg]
031873	2YSLGCGOEU 02X2X1 SW	19.5	12	13	142	235
031874	2YSLGCGOEU 05X2X1 SW	19.5	9	19	238	445
035262	2YSLGCGOEU 10X2X1 SW	19.5	7	22.2	353	627
035261	2YSLGCGOEU 20X2X1 SW	19.5	5	29	576	1040

Rl	Conductor resistance
Ibl	Ampacity in air (30 °C)
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000