Railway power cable
GGSG

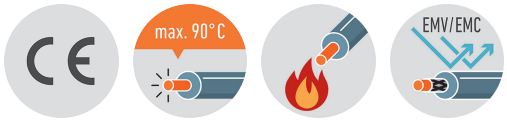
Application: For the power supply on the lines of S-Bahn trains operated with DC voltage for installation in dry, damp and wet rooms, outdoors, in pipes and ducts, underground. Feed and connecting cable for connection to conductor rail systems, where tight bending radii, vibration and vibration are required and difficult installation conditions may occur. The core insulation (1st insulating jacket) is protected by the 1st sheathing against mechanical stress and damage. Environmental influences are protected, so that further protection can be omitted when the screen is removed. Both the complete cable run as well as the inner part up to the first sheath fulfills the flame retardance for single cable according to DIN EN 60332-1-2. Both sheaths are oil resistant. This cable is suitable for all standard terminations and connection components as well as for standardised vertical and horizontal connections.

In addition, the general specifications in DIN VDE 0298-3 also apply.

Remark on REACH: The following substances from the REACH candidate list are used for all products on this datasheet with a proportion of more than 0.1 %: Medium-chain chlorinated paraffins (MCCP)

Construction and technical data:

Conductor material:	copper, bare
Conductor construction:	Class 5 = flexible
Insulation:	rubber EI7
Material inner sheath:	rubber EM7
Screen:	copper wires
Sheathing material:	rubber EM7
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant:	EN 60811-404
Max. temperature at conductor, °C:	90 °C
Permitted outer cable temperature, fixed, °C:	-40 - +80 °C
Permitted outer cable temperature, moved, °C:	-25 - +80 °C
Bending radius, fixed installation:	6 x Ø



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: 1.8 kV

Nominal voltage U: 3 kV

Maximum permitted operating voltage in three-phase systems: 2.16 kV

Nominal voltage (DC): 2,7 kV

Test voltage: 6 kV

part no.	part name	Rl [Ohm/km]	Ibl [A]	Ø [mm]	Cu	G [kg]
011865	1X300/95 RD	0.0641	850	43.5	3904	4652

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

