

# Power cable (N)A(ST)YY



**Application:** Aluminium railway grounding conductors for short-circuit-proof ground connection and equipotential bonding between rails and conductive but non-voltage-carrying parts (e.g. overhead line masts, brackets of train preheating equipment, noise barriers, railings). For fixed installation indoors, outdoors, in the ground, in water and in concrete.

- Short-circuit strength of the conductor acc. to Deutsche Bahn regulation 997.0205A01 from 1.3.2003 paragraph 2 (ampacity)
- Vibration resistance: according to Dlk 1.013.168y (sinusoidal oscillation load type 1)

## Construction and technical data:

<b>CPR-classification according to EN 50575:</b>	Eca
<b>Conductor material:</b>	AlMg conductor, stranded with steel wire (St)
<b>Insulation:</b>	PVC
<b>Sheathing material:</b>	PVC
<b>Flame-retardant:</b>	VDE 0482-332-1-2/IEC 60332-1-2
<b>UV-resistant:</b>	yes
<b>Permitted outer cable temperature, fixed, °C:</b>	-30 - +60 °C
<b>Permitted outer cable temperature, moved, °C:</b>	-10 - +60 °C



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.

## (N)A(St)YY-O

<b>Nominal voltage U<sub>o</sub>:</b>	0.6 kV
<b>Nominal voltage U:</b>	1 kV
<b>Protective conductor:</b>	no

part no.	part name		I <sub>bl</sub> [A]	I <sub>k</sub> [kA]	R <sub>bv</sub> [mm]	Ø [mm]	F <sub>zv</sub> [N]	G [kg]
071114	(N)A(St)YY-O 75 RM 0.6/1 kV ALMGST longitudinal strip: blue	RM	214	24	180	18	4700	495
072479	(N)A(St)YY-O 110 RM 0.6/1 kV ALMGST longitudinal strip: blue	RM	290	40	220	22	6900	630

Ibl	Ampacity in air (30 °C)
Ik	Short-circuit current (1 s)
Rbv	Bending radius, fixed installation
Ø	outer diameter approx.
Fzv	Tensile strength (during installation)
G	net weight per 1000