

Power cable NYSY 0,6/1 kV



Application: For fixed installation indoors, outdoors, in the ground and in water.

Construction and technical data:

Standard:	VDE 0276-603 (with reference to)
Conductor material:	copper, bare
Conductor construction:	class 1, from 25 sqmm class 2
Insulation:	PVC DIV 4
Concentric conductor:	Cu
Sheathing material:	PVC DMV5
Colour of outer sheath:	black
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	yes
For outdoor use:	yes
Max. temperature at conductor, °C:	70 °C
Permitted outer cable temperature, fixed, °C:	70 °C
Permitted outer cable temperature, moved, °C:	-5 - +70 °C
Bending radius, fixed installation:	15 x Ø
Meter mark:	yes



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)YSY 0.6/1 kV

Nominal voltage U_o: 0.6 kV

Nominal voltage U: 1 kV

Maximum permitted operating voltage in 1.2 kV

three-phase systems:

Test voltage: 4 kV

part no.	part name		RI [Ohm/km]	I _{bl} [A]	I _{be} [A]	I _k [kA]	L _b [mH/km]	Ø [mm]	F _{zv} [N]	F _{zp} [N]	Cu	G [kg]
012107	1X185/25	RMv	0.0991	406	413	21.3	0.287	26.5	9250	9250	2059	2277
013633	1X300/25	RMv	0.0601	557	541	34.5	0.279	31.8	15000		3163	3420

RI	Conductor resistance
I _{bl}	Ampacity in air (30 °C)
I _{be}	Ampacity in ground (20 °C)
I _k	Short-circuit current (1 s)
L _b	Specific inductivity
Ø	outer diameter approx.
F _{zv}	Tensile strength (during installation)
F _{zp}	Tensile strength (permanent)
Cu	Copper weight (GER)
G	net weight per 1000