

[illegible]

NA2XY

D1 - rev:00

Date : 22.09.2025

0,6/1 kV

L.V. POWER CABLE

■ Design

- **Conductor**
Stranded annealed round
plain aluminium (Class 2)
- **Insulation**
Cross-linked polyethylene (XLPE)
- **Protective sheath**
Polyvinyl Chloride (PVC)
coloured black



■ Marking (sample)

NEXANS IEC 60502 NA2XY
<Nb of cores & x-section>
0.6/1 kV 2025 CE
+ METER MARKING

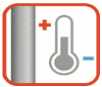
■ Core identification

1x: black

■ Standards

IEC 60228
IEC 60502
IEC 60332-1-2

(**) Cable installation with undamaged outer sheath surface and fully covered system (EN 50525-2-21, Annex E)



Operating
Temperature
-20°C / +90°C



Flame retardant
IEC 60332-1-2



U.V. resistant
ISO 4892-2



Min. Bending Radius
8xD



AD8 (**)



THEORETICAL SIZE CHARACTERISTICS

THEORETICAL ELECTRICAL CHARACTERISTICS

Current ratings based on IEC 60364-5-52
Conditions for installation underground (Trefoil) - Thermal resistivity of soil: 2.5 K.m/W - Burying depth: 0,7 m
Conditions for installation in air (Flat spaced) - Horizontal

POS N°	NEXANS N°	N	STANDARD	VOLTAGE RATE	SECTION	CONDUCTOR		INSULATION	PROTECTIVE SHEATH		WEIGHT (approx.)	RESISTANCE		CURRENT RATING		REACTANCE	SHORT-CIRCUIT CURRENT		VOLTAGE DROP	IMPEDANCE	
						Class	Diam. (approx)	Thickness (nominal)	Thickness	Outer Diameter (max.)		DC at 20°C	AC at Max°C	in free air at 30°C	underground at 20°C	50Hz approx.	0,3 s maximum	1 s maximum	AC approx.	50Hz approx.	
						mm²	#	mm	mm	mm		mm	Ω/km	Ω/km	A	A	Ω/km	kA	kA	V/A.km	Ω/km
1	60652029	NA2XY	IEC 60502	0,6/1 kV	1x240	Class 2	18,4	1,7	1,16	23,5	26,1	880	0,125	0,163	611	290	0,08	41,3	22,6	0,3	0,182
2	60652030	NA2XY	IEC 60502	0,6/1 kV	1x300	Class 2	20,5	1,8	1,24	25,9	28,7	1090	0,100	0,132	708	326	0,08	51,5	28,2	0,3	0,154
3	60652031	NA2XY	IEC 60502	0,6/1 kV	1x400	Class 2	23,6	2,0	1,32	29,4	32,6	1370	0,0778	0,103	856	373	0,08	68,6	37,6	0,2	0,130