

SE-N1XE-AS 1 kV

SE-N1XE-AS 1 kV 4G240

Contact

Sales High and Medium voltage cables
Phone: +46 325 80 000
hvpowercable-pc.se@nexans.com

Nexans ref.: 15015098

Country ref.: 0012345

The cable may be used for fixed installation outdoors in air, ground and water.

DESCRIPTION

SE-N1XE-AS is a halogen free, XLPE-insulated, PE-sheathed cable with sector shaped, stranded aluminium conductors. The cable is designed according to HD 603. The conductors have resistance and number of wires according to SS-EN 60228 class 2. The cores are identified by colours according to HD 308. The sheath is marked type/manufacturer/year+month/metre marking. SE-N1XE-AS is not flame retardant. The cable is certified by SEMKO. The sheath opens with cable tear thread.

Lifemark(TM) recycling marking

The external surface of the outer sheath is embossed with a text which specifies all components in the polymers and prepares the cable for future recycling.

Standards

SE-N1XE-AS is manufactured and tested according to SS 424 14 18. The cable can be loaded in accordance with valid powercurrent regulations and SS 424 14 24.

Certification

Certified by SEMKO.

Quality and environmental management system

Certified according to ISO 9001, IRIS, ISO/TS 16949 and ISO 14001.



Lifemark™

STANDARDS

International HD 603 S1/50

National SS 424 14 18



Halogen free
Yes



Conductor flexibility
Stranded



Rated Voltage Uo/U
(Um)
0.6/1 kV



Minimum
installation
temperature
-20 °C



Maximum operating
temperature
90 °C



Static bending rad.
550 mm



Minimum operating
temperature
-40 °C



Bending factor
installed
8 (xD)

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

Generated 3/12/21 www.nexans.se Page 1 / 2

Nexans

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CHARACTERISTICS

Construction characteristics

Conductor material	Aluminum
Insulation	XLPE (chemical)
Outer sheath	PE
Colour	Black
Halogen free	Yes
With Green/Yellow core	Yes
Conductor flexibility	Stranded
With smaller neutral conductor	No
Conductor shape	Sector-shaped stranded (SM)

Dimensional characteristics

Number of cores	4
Conductor cross-section	240 mm ²
Average insulation thickness	1.7 mm
Average sheath thickness	2.8 mm
Nominal outer diameter	54.0 mm
Approximate weight	345.0 kg/100m

Electrical characteristics

Conductor electrical resistance	0.125 Ohm/km
Nominal phase capacitance	0.14 µF / km
Nominal inductance at installation	0.23 mH/km
Nominal impedance	0.405 Ohm
Permissible short circuit current conductor 1s	22.7 kA
Rated Voltage U ₀ /U (U _m)	0.6/1 kV

Mechanical characteristics

Maximum pulling force by laying	28.8 kN
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Usage characteristics

Minimum installation temperature	-20 °C
Maximum operating temperature	90 °C
Short-circuit max. conductor temperature	250 °C
Length	500 m
Packaging	K22
Minimum static operating bending radius	550 mm
Installation type	Outdoor - Direct burial
Minimum operating temperature	-40 °C
Bending factor when installed	8 (xD)
Bending factor when laying	12 (xD)

SELLING INFORMATION

SE-N1XE-AS will be delivered in lengths of 500 m. The drum is marked with manufacturer, type of cable and length. The ends of the cable are sealed.

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Generated 3/12/21 www.nexans.se Page 2 / 2

