

ALUS 1 kV

ALUS 1 kV 4x50

Nexans Ref.: 14010998

Country Ref.: 0012845

ALUS is a aerial bundled cable that may be used for hanging on poles.

DESCRIPTION

ALUS is a halogen free, PE-insulated, aerial bundled cable with circular, stranded aluminium conductors. The cable is designed according to HD 626. The conductors have resistance and number of wires according to IEC 60228 class 2. The cores are identified by longitudinally ridges according to HD 308. The cable is marked type/manufacturer/year+month. ALUS is not flame retardant.

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

ALUS is manufactured and tested according to SS 424 14 26. The cable can be loaded in accordance with valid powercurrent regulations and SS 424 14 24.

Quality and environmental management system

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



STANDARDS

International HD 626 S1 part1;
HD 626 S1 part2;
HD 626 S1 part3 section L

National SS 424 14 26



Halogen free
Yes



Conductor flexibility
Class 2



Ope. volt.
1 kV



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



Minimum installation temperature
-20 °C



Maximum operating temperature
65 °C

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CHARACTERISTICS

Construction characteristics

Conductor material	Aluminum
Conductor shape	Round, stranded
Insulation	PE
Colour	Black
Halogen free	Yes
Conductor flexibility	Class 2
Outer sheath	PE

Dimensional characteristics

Number of cores	4
Conductor cross-section	50 mm ²
Average insulation thickness	1.3 mm
Nominal outer diameter	26.0 mm
Approximate weight	65.0 kg/100m
Conductor diameter	8.0 mm
Diameter over insulation	10.6 mm

Electrical characteristics

Conductor electrical resistance	0.641 Ohm/km
Operating voltage	1 kV
Rated Voltage U ₀ /U (Um)	0.6/1 kV

Usage characteristics

Minimum installation temperature	-20 °C
Maximum operating temperature	65 °C
Short-circuit max. conductor temperature	100 °C
Length	500 m
Packaging	K12
Installation type	Aerial Cable

SELLING AND DELIVERY INFORMATION

ALUS 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.