



Halogen-free, flexible single-core rubber cable for public transport and wiring

Arrangements made of single-conductor cables NSHXAF \ddot{o} in accordance with VDE 0250 Part 606 with nominal voltage of at least U $_0$ /U: 1.8/3 kV can be used for short circuit-proof and short-to-ground-proof installation up to 1000 V in acc. with VDE 0100 Part 520 and VDE 0298 Part 3

- Public transport
- · Control panel internal wiring
- Halogen-free







Product description

Application range

- · Wiring of machines, tools, devices, appliances and control cabinets
- Railway vehicles, buses, switching stations (short-circuit-proof up to 1000 V), power distributors (short-circuit-proof up to 1000 V)
- No direct burial, except of lead-through through fire separations such as sand cups
- In ducts, tubes, pipes, conduits and closed installation channels
- Bundled or for connection of movable parts

Benefits

• Arrangements made of single-conductor cables NSHXAFö in accordance with VDE 0250 Part 606 with

NSHXAFÖ 1,8/3 kV



nominal voltage of at least Uo/U: 1.8/3 kV can be used for short circuit-proof and short-to-ground-proof installation up to 1000 V in acc. with VDE 0100 Part 520 and VDE 0298 Part 3

Product Make-up

- Fine copper wire strands
- Core insulation: halogen-free rubber compound type 3GI3, according to DIN VDE 0207-20
- Outer sheath: halogen-free HM3 polymer compound according to DIN VDE 0250-606
- · No outer sheath

Norm references / Approvals

• certification according to the VDE cable type NSHXAFÖ 1,8/3 kV acc. VDE 0250-606

Product features

- · Halogen-free: to protect human life and valuable assets in the event of a fire, through low smoke density and low amount of corrosive gases
- Flame-retardant according IEC 60332-1-2
- Normative rated voltage classes U₀/U 0.6/1 kVac and 3.6/6 kVac available on request

Technical Data

Classification ETIM 5.0 Class-ID: EC000993

ETIM 5.0 Class-Description: Single core cable

Fine wire according to VDE 0295 Class 5/ IEC 60228 Conductor stranding

Minimum bending radius Flexible use: 10 x outer diameter

Fixed installation: 6 x outer diameter

Nominal voltage U₀/U: 1.8/3 kV

Test voltage 6000 V

Temperature range Flexing: -5°C to +90°C

Fixed installation: -25°C to +90°C