



## Halogen-free power and control cable, oil resistant and very flexible

Easy handling and installation due to very flexible cable type

- New improved version!



## Product description

### Application range

- Public buildings
- Airport, railway station
- Plant engineering
- Industrial machinery
- Heating and air-conditioning systems
- Particularly where human and animal life as well as valuable property are exposed to high risk of fire hazards

### Benefits

- Easy handling and installation due to very flexible cable type

### Product Make-up

- Fine-wire strand made of bare copper wires
- Core insulation: Halogen-free
- Outer sheath made of special halogen-free compound, grey (RAL 7001)

## Norm references / Approvals

- Based on IEC 60227-5 and EN 50525-2-51
- Based on EN 50525-2-11

## Product features

- Flame-retardant according to IEC 60332-1-2 (flame spread on a single cable)
- No flame-propagation according to IEC 60332-3-24 respectively IEC 60332-3-25 (Flame spread on vertical cable or wire bundle)
- Halogen-free according to IEC 60754-1 (amount of halogen acid gas)  
Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)
- Low smoke density according to IEC 61034-2
- Oil-resistant according to EN 50363-4-1 (TM5) and UL OIL RES I and UL OIL RES II
- Ozone-resistant according to EN 50396

## Technical Data

Core identification code	Colours according to VDE 0293-308, refer to Appendix T9
Conductor stranding	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius	Occasional flexing: 15 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage	U <sub>0</sub> /U: 450/750 VAC In protected and fixed installations: U <sub>0</sub> /U: 600/1000 V
Test voltage	4000 V
Protective conductor	G = with GN-YE protective conductor X = without protective conductor
Temperature range	Occasional flexing: -30°C to +70°C Fixed installation: -40°C to +80°C