



Screened halogen-free control cable, cold-resistant

- Flexible at temperatures down to -25 °C
- EMC-compliant
- Other sizes on request



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
- In EMC-sensitive environments (electromagnetic compatibility)

Product Make-up

- Fine-wire strand made of bare copper wires
- Core insulation: Halogen-free
- Halogen-free inner sheath, grey

- Tinned-copper braiding
- Outer sheath made of special halogen-free compound, grey (RAL 7001)

Norm references / Approvals

- Based on EN 50525-2-51

Product features

- Flame-retardant according to IEC 60332-1-2
(flame spread on a single cable)
- Halogen-free according to IEC 60754-1
(amount of halogen acid gas)
Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)
- Flexible down to -25°C
- High degree of screening
low transfer impedance
(max. 250 Ω /km at 30 MHz)

Technical Data

Core identification code	Black with white numbers acc. to VDE 0293-1
Classification	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Conductor stranding	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius	Occasional flexing: 20 x outer diameter Fixed installation: 6 x outer diameter
Nominal voltage	U ₀ /U: 300/500 V
Test voltage	4000 V
Protective conductor	G = with GN-YE protective conductor X = without protective conductor
Temperature range	Occasional flexing: -25°C to +70°C Fixed installation: -40°C to +70°C