



Proven all-weather control cables - screened and resistant to a wide range of chemical media

Outstanding weather, ozone and UV resistance together with the wide temperature range enable versatile use for both indoor and outdoor applications; Resistant to contact with plant, animal or synthetic-based organic oils, greases, waxes and the related emulsions; ?Good resistance to ammonia compounds and bio-gases; Good resistance to cold and hot water as well as water-soluble cleaning agents; Well-suited to frequent steam cleaning

- Excellent weather resistance
- Good chemical resistance
- EMC compliant copper screening



Product description

Application range

- Machine tool building, medical technology, laundries, car washing equipment, chemical industry, composting plants, sewage works
- Food and beverage industry, especially for production and processing equipment of milk and meat products
- Agricultural equipment
- For indoor and outdoor use
- In EMC-sensitive environments (electromagnetic compatibility)

Benefits

- Outstanding weather, ozone and UV resistance together with the wide temperature range enable versatile use for both indoor and outdoor applications
- Resistant to contact with plant, animal or synthetic-based organic oils, greases, waxes and the related emulsions
- ?Good resistance to ammonia compounds and bio-gases
- Good resistance to cold and hot water as well as water-soluble cleaning agents
- Well-suited to frequent steam cleaning

Product Make-up

- Fine-wire strand made of bare copper wires
- Core insulation made of modified PP
- Cores twisted in layers
- Halogen-free plastic foil wrapping
- Tinned copper screen braiding
- Outer sheath made of special TPE
- Sheath colour: black

Norm references / Approvals

- Based on VDE 0250 / 0285

Product features

- Halogen-free materials
- Good chemical resistance to ester-based hydraulic fluids
- Ozone, UV and weather-resistant according to EN 50396 and HD 605 S2
- Flexible down to -40°C
- Number-coded cores

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	Core/core: 4000 V Core/screen: 2000 V
Protective conductor	G = with GN-YE protective conductor X = without protective conductor
Temperature range	Occasional flexing: -40°C to +80°C Fixed installation: -50°C to +80°C