



## Proven all-weather connection cables - resistant against a variety 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
- Voltage class 450/750 V



## 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

### 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
- Outer sheath made of special TPE
- Sheath colour: black

## Norm references / Approvals

- Based on EN 50525-2-21

## 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
- Colour-coded up to 5 cores

## Technical Data

Core identification code	Up to 5 cores: colour-coded according to VDE 0293-308, refer to Appendix T9 From 6 cores: black with white numbers
Classification	ETIM 5.0 Class-ID: EC001578
Conductor stranding	ETIM 5.0 Class-Description: Flexible cable Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius	Occasional flexing: 10 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage	U <sub>0</sub> /U: 450/750 V
Test voltage	4000 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