



## EMC-optimised motor cable, low-capacitance, double-screened, approved

EMC-compliant installation of power drive systems conforming to EN 61800-3; High power transmission for large drives; Longer cable connection between the frequency converter and drive due to low capacitance design; EN/VDE 90 °C PP insulation; 9YSLCY black design: also for outdoor applications, as well as buried underground, but not for USA or Canada

- EMC-optimised design
- 3+3 symmetry reduces common-mode interference effects



## Product description

### Application range

- Connecting cable between frequency converter and motor
- In dry, damp or wet interiors
- Paper industry
- Chemical industry
- Heavy industry

### Benefits

- EMC-compliant installation of power drive systems conforming to EN 61800-3
- High power transmission for large drives
- Longer cable connection between the frequency converter and drive due to low capacitance design

- EN/VDE 90 °C PP insulation
- 9YSLCY black design: also for outdoor applications, as well as buried underground, but not for USA or Canada

## Product Make-up

- Fine-wire strand made of bare copper wires
- Core insulation: polypropylene (PP)
- Cores twisted concentrically (symmetrically splitted protective conductor of 3+3 version is gusset-filling divided between the power cores)
- Screening: wrapping of laminated aluminium foil in combination with tinned copper braiding
- 4-core design: transparent PVC outer sheath
- 3+3 core version: PVC outer sheath, black

## Norm references / Approvals

- UL reg. for the USA: AWM Style 2570 or 20886, 1 kV 80° VW-1  
UL reg. for CAN. AWM I/II A/B 1 kV 80° FT 1  
EU: based on VDE 0276, 0250, 0207
- UL File No. E63634

## Product features

- Flame-retardant according to IEC 60332-1-2 & CSA FT1

## Technical Data

Core identification code	Colours according to HD 308 S2 VDE 0293-308
Classification	ETIM 5.0 Class-ID: EC000057
Conductor stranding	ETIM 5.0 Class-Description: Low voltage power cable 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	IEC U <sub>0</sub> /U: 600/1000 V UL & CSA: 1000 V
Test voltage	4000 V
Protective conductor	Protective conductor of 3+3 version is gusset-filling divided between power cores
Temperature range	Flexing UL/CSA: -5 °C to +80 °C IEC: transparent model: -5 °C to +70 °C black model: -5 °C to +90 °C Fixed installation: UL/CSA: -40°C to +80°C IEC: transparent model: -40°C to +80°C black model: -40°C to +90°C