



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

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; Versions with black outer sheath are suitable for outdoor use and direct burial

- EMC-optimised design
- 4-core design in transparent or black
- 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

- Versions with black outer sheath are suitable for outdoor use and direct burial

Product Make-up

- Fine-wire strand made of bare copper wires
- Core insulation: PE
- 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 version: optional transparent or black PVC outer sheath
- 3+3 core version: PVC outer sheath, black

Norm references / Approvals

- Based on VDE 0207 / 0250 / 0295

Product features

- Flame-retardant according IEC 60332-1-2

Technical Data

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|--------------------------|--|
| Core identification code | Colours according to HD 308 S2 VDE 0293-308 |
| Classification | ETIM 5.0 Class-ID: EC000057 |
| | ETIM 5.0 Class-Description: Low voltage power cable |
| 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 ₀ /U: 0.6/1.0 kV |
| Test voltage | 4000 V |
| Protective conductor | G = with GN-YE protective conductor X = without protective conductor Protective conductor of 3+3 version is gusset-filling divided between power cores |
| Temperature range | Flexing: -5°C to +70°C 3+3 core version: -15°C to +70°C Fixed installation: -40°C to +70°C |