



Motor and resolver/encoder cables

New motor & servomotor cables up to 6 mm²: low capacitance characteristics due to PP insulation; Multi-standard approval reduces part varieties and saves costs

- Servo drives
- EMC-compliant



Product description

Application range

- Servo applications - power drive systems
- Plant engineering
- Machine tool manufacture
- Printing machines

Benefits

- New motor & servomotor cables up to 6 mm²: low capacitance characteristics due to PP insulation
- Multi-standard approval reduces part varieties and saves costs

Product Make-up

- Design according to SIEMENS® standard 6FX 5008
- Core insulation: up to 6 mm² = PP; 10 mm² and larger = PVC
- Core and pairs are twisted together
- Tinned-copper braiding
- Outer sheath made of special PVC compound
- Signal cables: green (RAL 6018)
- Motor and servomotor cables: orange (RAL 2003)

Norm references / Approvals

- Power cable:
VDE-registered
UL/CSA AWM Style 2570
- Signal cables:
UL/CSA AWM style 2502
- UL File No. E63634

Product features

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

Technical Data

| | |
|------------------------|---|
| 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 | For fixed installation: 5 x outer diameter For flexible use: 15 x outer diameter |
| Nominal voltage | Signal cables: - 30 V AC/DC (UL/CSA) - 30 V AC (IEC) Power cable: - Power cores: 1000 V (UL/CSA) 600/1000 V (IEC) - Control cores: 1000 V (UL/CSA) 30 V AC (IEC) |
| Test voltage | Power cable: Power cores: 4000 V eff. Control cores: 2000 V eff. Signal cables: 500 V rms |
| Temperature range | Fixed installation: -20°C to +80°C Flexing: from -0°C to +60°C |