



PVC-insulated, PVC sheath, single core, approved

Multi-standard approval reduces part varieties and saves costs; Easy to install; Multifunctional application possibilities; Also suitable for mobile outdoor use

- Basic Line for light & ordinary duty in power chain applications



Product description

Application range

- In power chains or moving machine parts
- For internal wiring of electric and electronic equipment in switch cabinets
- This cable can substitute multi-core shielded servo drive cables where space requirements or minimum bending radii cause problems
- Specially designed for power circuits of servomotors driven by frequency converters
- Test systems in the automotive industry, vehicles and stationary fuel cell systems

Benefits

- Multi-standard approval reduces part varieties and saves costs
- Easy to install
- Multifunctional application possibilities
- Also suitable for mobile outdoor use

Product Make-up

- Fine-wire strand made of bare copper wires
- Core insulation: PVC
- PVC outer sheath, black (RAL 9005)

Norm references / Approvals

- cRU AWM II A/B FT1
UL-AWM-Style 10107
- Based on VDE 0250 / 0285
- For use in power chains: Please comply with the assembly guidelines listed in Appendix T3
- UL File No. E63634

Product features

- Low-adhesive surface
- Flame retardancy:
UL/CSA: VW-1, FT1
IEC/EN: 60332-1-2
- Oil-resistant according to DIN EN 50290-2-22 (TM54)
- Designed for 2 million alternating bending cycles and travel distances up to 10 meter

Technical Data

| | |
|--------------------------|---|
| Core identification code | Black or green-yellow, other colours available on request |
| Conductor stranding | Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5 |
| Torsion movement in WTG | TW-0 & TW-1, refer to Appendix T0 |
| Minimum bending radius | Flexing: 10 x outer diameter Fixed installation: 4 x outer diameter |
| Nominal voltage | IEC: 600/1000 V UL & CSA: 600 V |
| Test voltage | 4000 V |
| Protective conductor | G = with PE conductor X = without PE jacket |
| Temperature range | Flexing: 0°C to +70°C (UL: +90°C) Fixed installation: -40°C to +70°C (UL: +90°C) |