



## Screened single core, PVC-insulated, PVC sheath, certified for North America

Multi-standard certification reduces part varieties and saves costs; Easy to install; Multifunctional application possibilities; Also suitable for mobile outdoor use; Copper braiding screens the cable against electromagnetic interference

- Basic Line for light & ordinary duty in power chain applications
- EMC compliant copper screening



## 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 certification reduces part varieties and saves costs
- Easy to install
- Multifunctional application possibilities

- Also suitable for mobile outdoor use
- Copper braiding screens the cable against electromagnetic interference

## Product Make-up

- Fine-wire strand made of bare copper wires
- Core insulation: PVC
- Non-woven wrapping
- Tinned-copper braiding
- Non-woven wrapping
- 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
- Flammability:  
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  
Specific insulation resistance  
Conductor stranding

Minimum bending radius

Nominal voltage

Test voltage  
Protective conductor  
Temperature range

Black, other colours are available upon request  
> 20 GOhm x cm  
Fine wire according to VDE 0295 Class 5/ IEC 60228  
Class 5  
Flexing: 10 x outer diameter  
Fixed installation: 4 x outer diameter  
IEC: 600/1000 V  
UL & CSA: 600 V  
4000 V  
X = without protective conductor  
Flexing: 0°C to +70°C (UL: +90°C)  
Fixed installation: -40°C to +70°C (UL: +90°C)