Motor and resolver/encoder cables

Multi-standard approval reduces part varieties and saves costs; Also suitable for mobile outdoor use

- Servo drives
- EMC-compliant

Product description

Application range

- Connecting cable between servo controller and encoder/resolver
- Connecting cable between servo controller and motor
- Particularly in wet areas of machine tools and transfer lines
- Assembly lines, production lines, in all kinds of machines

Benefits

- Multi-standard approval reduces part varieties and saves costs
- Also suitable for mobile outdoor use

Product Make-up

- In accordance with INDRAMAT® standard INK (also suitable for pre-assembled versions, IKS and IKG)

- Core insulation: TPE
- Refer to data sheet (available upon request) for more details
- Tinned-copper braiding
- PUR outer sheath, orange (RAL 2003)

Norm references / Approvals

- Power cable:
  UL style 20234
- Signal cables:
  UL Style 20236
- For horizontal travel distances up to 100m
- For use in power chains: Please comply with the assembly guidelines listed in Appendix T3
- UL File No. E63634

Product features

- Abrasion and cut-resistant
- Oil-resistant
- Flame-retardant according to IEC 60332-1-2 & CSA FT1
- Halogen-free
- Designed for 2 up to 8 million bending/unbending cycles in power chain applications

Technical Data

Conductor stranding	Extra-fine wire according to IEC 60228 class 6
Minimum bending radius	Power cable: Fixed installation: 4 x outer diameter For flexible use: 7.5 x outer diameter Signal cables: Fixed installation: 5 x outer diameter For flexible use: 10 x D
Nominal voltage	Power cable: - Power cores: 600/1000 V (IEC) 1000 V (UL/CSA) - Control cores: 250 V AC (IEC) 1000 V (UL/CSA) Signalling cables: 300 V (IEC), 300 V (UL/CSA)
Test voltage	Power cable: Power cores: 4000 V eff. Control cores: 2000 V eff. Signal cables: 500 V rms
Temperature range	Fixed installation: -50°C to +80°C Flexing: -30°C to +80°C