

ETHERLINE® SERVO DQ

Encoder cables for DRIVE CLiQ applications



Info

- DRIVE CLiQ applications
- For highly flexible applications

LAPP KABEL STUTTGART ETHERLINE® SERVO DQ FD P Cat.5e



Benefits

- Highly flexible data cable with PUR outer sheath, meets the highest service life requirements, even under harsh climatic conditions
- Cat.5e-Performance
- Premium screening against electromagnetic interference

Application range

- For use in power chains and moving machinery parts in dry or damp rooms
- Encoder cables
- 2pair: 10/100 Mbit/s for Industrial Ethernet
- For industrial secondary and tertiary cabling according to EN 50173-3 ISO/IEC 24702

Product features

- PUR outer sheath is resistant to most oils and hydraulic fluids

- Cat.5e encoder cable for use in drag chains
- Halogen-free according to VDE 0472-815

Norm references / Approvals

- UL AWM Style 20987
- Flame-retardant according to IEC 60332-1-2, VW-1, FT1

Product Make-up

- Data pairs: 26 AWG (19-wire)
- Power pair: 22 AWG (19-wire)
- Twisting: data pairs and power supply pairs twisted together
- Core insulation made of polyethylene (PE)
- Screening: wrapping of laminated aluminium foil in combination with tinned copper braiding
- Outer sheath: PUR compound, halogen-free
- Outer sheath colour: green (RAL 6018)

Technical data



Minimum bending radius

Fixed installation: 6 x outer diameter
Flexing: 8 x outer diameter



Test voltage

Core/Core: 1500 V
Core/screen: 1000 V



Characteristic impedance

100 Ω ± 15%



Temperature range

Fixed installation: -40°C to +80°C
Flexing: -30°C to +70°C

Article number	Article designation	Number of pairs and AWG per conductor	Outer diameter mm	Kupferzahl kg/1000	Weight (kg/km)
ETHERLINE® SERVO DQ					
2170937	ETHERLINE SERVO DQ FD P Cat.5e	2x2x26/19 AWG + 1x2x22/19 AWG	6.9	39.0	63

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