

ETHERLINE® SERVO DQ Y Cat.5e

Encoder cables for DRIVE CLiQ applications

Industrial Ethernet encoder cable for DRIVE CLiQ system interfaces, Cat.5e, with an additional wire pair for power supply, suitable for fixed installation and occasional flexing

Info

DRIVE CLiQ applications
Occasional flexing



Supplementary automation components from Lapp



Mechanical and plant engineering



Flame-retardant

Benefits

Compliant with the open DRIVE-CLiQ® system interface
Reduced cabling effort thanks to additional wire pair for power supply of the encoder
Ideal protection against electromagnetic interference due to copper shielding braid with high degree of coverage
Cat.5e performance up to 100 Mbit/s

Application range

For wiring the control unit and synchronous motor and/or encoder with DRIVE-CLiQ® system interface
For fixed installation and flexible use
Can be used in dry or damp rooms
PVC outer sheath is resistant to acids and alkalis

Norm references / Approvals

Flame retardant acc. to IEC 60332-1-2

Product Make-up

Data pairs: 26 AWG (7-wire)
Power pair: 22 AWG (7-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 made of PVC
Outer sheath colour: green (RAL 6018)

Technical Data

Peak operating voltage:	max. 100 V (not for power applications)
Minimum bending radius:	Fixed installation: 6 x outer diameter

Last Update (08.03.2023)

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You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

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Test voltage:	Occasional flexing: 15 x outer diameter Core/core: 700 V Core/screen: 700 V
Characteristic impedance:	nom. 100 Ω
Temperature range:	Fixed installation: -15°C up to +70°C Flexing: -5°C to +70°C

Note

Photographs and graphics are not to scale and do not represent detailed images of the respective products. Prices are net prices without VAT and surcharges. Sale to business customers only.

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Article number	Article designation	Number of pairs and AWG per conductor	Core diameter in mm	Outer diameter mm	Copper index (kg/km)	Weight (kg/km)
2170938	ETHERLINE® SERVO DQ Y Cat.5e	2x2x26/7AWG + 1x2x22/7AWG	1.05	6.5	33	58

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