LAPP GROUP

New

ETHERLINE® FD CAT.6$_A$

LAPP KABEL STUTTGART ETHERLINE® Cat.6$_A$ FD 4x2xAWG24/7

Info
- CAT.6$_A$ for drag chain, qualified for 10Gbit/s
- For PROFINET applications with 4 pairs

Benefits
- For use in power chains and moving machinery parts in dry or damp rooms
- Many applications with Industrial Ethernet, e.g. PROFINET, i.e. fixed installation, flexible and highly flexible use
- Premium screening against electromagnetic interference

Application range
- For highly flexible applications (e.g. power chains)
- Can be used for Industrial Ethernet in harsh industrial environments
- Suitable for EtherCAT and EtherNet/IP applications
- For PROFINET applications type C

Product features
- PUR version is halogen-free according to IEC 60754
- Oil-resistant
- CAT.6$_A$ for drag chain, qualified for 10Gbit/s
- Meets the requirements according to CAT.6$_A$, ISO/IEC 11801 and EN 50173
- Designed for 1...2 million bending/unbending cycles in the power chain

Norm references / Approvals
- Electrical requirements acc. to IEC 61156-6
- UL/CSA type CMX in accordance with UL 444 and CSA C22.2 no. 214-02

Product make-up
- 7-wire tinned stranded copper conductor
- Core insulation: Based on Polyolefin
- S/FTP: copper braid as overall screening and pair screening with aluminium compound foil
- Outer sheath: PUR, halogen-free/PVC
- Colour: green (based on RAL 6018)

Technical data

Minimum bending radius
Flexing: 15 x outer diameter

Temperature range
Fixed installation: -40°C to +80°C
Flexing: -10°C to +70°C

Characteristic impedance
100 Ohm

Article number	Article designation	Number of pairs and AWG per conductor	Outer diameter (mm)	Copper index (kg/km)
PVC sheath				
2170485	ETHERLINE® FD CAT.6$_A$	4x2xAWG24/7	9.0	44.0
Outer sheath: PUR, halogen-free				
2170484	ETHERLINE® FD P CAT.6$_A$	4x2xAWG24/7	9.0	44.0

Photographs are not to scale and do not represent detailed images of the respective products.

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