ETHERLINE® Cat.7 FLEX

Ethernet cable Category 7, Class F for flexible application

Industrial Ethernet cable Cat.7 for flexible use, 4 pairs, PUR outer sheath with UL-approval, 4x2xAWG26/7

Info
Space-saving installation due to small cable diameters
Cat.7 qualified for 10Gbit/s

Supplementary automation components from Lapp

Mechanical and plant engineering

Flame-retardant

Mechanical resistance

Interference signals

UV-resistant

Benefits
Can be used in dry or damp rooms
Screened against interference
Can be used for Industrial Ethernet in harsh industrial environments
4pair: 100Mbit/s up to 10 Gbit/s for Industrial Ethernet

Application range
Wiring of machines, tools, devices, appliances and control cabinets
suitable for EtherCAT and EtherNet/IP applications

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Product features
PUR outer sheath is highly resistant to mineral oils and abrasion
Robust, halogen-free outer sheath
High-quality, double screening ensures high transmission reliability in areas with electromagnetic interference

Norm references / Approvals
Halogen-free according to VDE 0472-815
electrical requirements acc. to IEC 61156-6
AWM certification for USA and Canada
UL AWM Style 21238
Flame retardant acc. to IEC 60332-1-2

Product Make-up
Stranded conductor, bare, 7-wire
Core insulation made of polyethylene (PE)
S/FTP: copper braid as overall screening and pair screening with aluminium compound foil
Outer sheath made of PUR
Colour: green (based on RAL 6018)

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000830
	ETIM 5.0 Class-Description: Data cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000830
	ETIM 6.0 Class-Description: Data cable
Peak operating voltage:	(not for power applications) 125 V
Minimum bending radius:	Fixed installation: 4 x outer diameter
	Flexing: 10 x outer diameter
Test voltage:	Core/core: 2000 V
	Core/screen: 2000 V
Characteristic impedance:	nom. 100 Ω acc. to IEC 61156-6
Temperature range:	Fixed installation: -50°C to +80°C
	Flexing: -40°C to +80°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.

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)
2170934	ETHERLINE® Cat.7 FLEX	4x2xAWG26/7	1	6.4	28	46