ETHERLINE® Cat.7

Fixed installation

Industrial Ethernet cable Cat.7 for fixed installation, outer sheath: PVC, halogen-free version or PUR design 4x2xAWG22/1

Info
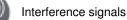Industrial Ethernet cable
For PROFINET applications with 4 pairs
Cat.7 qualified for 10Gbit/s

UV-resistant

Interference signals

Mechanical resistance

Industrial machinery and plant engineering

Automation & fältinstallation

Flame-retardant

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

ETHERLINE® Cat.7

Application range

for industrial secondary and tertiary cabling according to EN 50173-3 ISO/IEC 24702
Wiring machines, devices, and control cabinets
max. cable length for 100 Mbit/s is 100 m
max. cable length for 10 Gbit/s is 100 m
suitable for EtherCAT and EtherNet/IP applications

Product features

PUR outer sheath is highly resistant to mineral oils and abrasion
Robust, halogen-free outer sheath
The oil-resistant PVC sheath enables usage in industrial environments
High-quality, double screening ensures high transmission reliability in areas with electromagnetic interference

Product Make-up

Solid bare copper wire AWG22
Core insulation made of polyethylene (PE)
S/FTP: copper braid as overall screening and pair screening with aluminium compound foil
Colour: green (based on RAL 6018)

Technical Data

Classification:	ETIM 5.0 Class-ID: EC000830
	ETIM 5.0 Class-Description: Data cable
Peak operating voltage:	(not for power applications)
	125 V
Minimum bending radius:	Fixed installation: 10 x outer diameter
Characteristic impedance:	100 ohm at 1 – 100 MHz
Temperature range:	fixed installation
	PVC: -30°C to +80°C
	PUR: -40°C to +80°C
	Cable, halogen-free compound
	Fixed installation: -25°C to +80°C

Note

Photographs 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	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
Halogen-free outer sheath					
2170476	ETHERLINE® Cat.7 H	4 x 2 x AWG22/1	9	53	99
PUR outer sheath, halogen-free					
2170475	ETHERLINE® Cat.7 P	4 x 2 x AWG22/1	9	53	91
PVC outer sheath					
2170474	ETHERLINE® Cat.7 Y	4 x 2 x AWG22/1	9	53	98