Data communication systems for Ethernet technology

# ETHERLINE® 2 pair: CAT.5 HYBRID

Industrial Ethernet cable for power with Ethernet applications

#### LAPP KABEL STUTTGART ETHERLINE® CAT.5 HYBRID

ETHERLINE® HYBRID is a CAT.5 hybrid data cable for data transmission and power supply for industrial usage. The cable is designed for stationary installation and occasional movement. The separately screened core pairs ensure transmission reliability in areas with a high load of electromagnetic capacity.

#### Construction

Conductors: stranded bare copper

Pairs: data and power pairs each twisted together

<u>Insulation:</u> power pairs: halogen-free compound • data pairs: polyethylene

Shielding: foil and copper braid

Jacket: halogen-free; green

#### Recommended applications

Flexible power with Ethernet applications

## Approvals





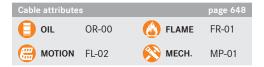




EtherNet/IP

### Application advantage

- Data and power transmission with one cable
- Suitable for EtherCAT® & EtherNet/IP applications
- Halogen-free
- · Flame retardant
- · Sunlight resistant
- Suitable for PoE per IEEE 802.3at







# Technical data

Minimum bend radius:

for stationary use:for flexible use:5 x cable diameter10 x cable diameter

Temperature range: -20°C to +70°C

7 Nominal voltage: (not for power applications)

power pairs: 100Vdata pairs: 150V

Test voltage:

- power pairs: 1000V - data pairs: 700V

z <sub>∞</sub> C	Characteristic impedance:	100Ω ±	15Ω
------------------	---------------------------	--------	-----

Color code:

- power pairs: black with white numbers- data pairs: white & blue; yellow & orange

Approvals: UL: AWM 21282
Additional: RoHS

Fast Nominal Approx. SKINTOP®

Part number	Construction	Stranding data pair	Jacket material	Jacket color	Approvals	Fast connect	PoE		ninal iameter mm	Approx. weight lbs/mft	MS-SC PG thread
CAT.5											
2170887	22 AWG/2pr + 16 AWG/4c	7 wire	halogen-free	green	PROFINET®, UL AWM	no	yes	0.406	10.3	103	53112230