Data communication systems for Ethernet technology | **2 pair cable**

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

Insulation: power pairs: halogen-free compound • data pairs: polyethylene

Shielding: foil and copper braid

Jacket: halogen-free; green

■ Recommended applications

Flexible power with Ethernet applications

■ 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

■ Approvals

UL • RoHS √ • PROFINET® • EtherCAT® Technology Group • EtherNet/IP™

Cable attributes			page 648
OIL	OR-00	FLAME	FR-01
MOTION	FL-02	MECH.	MP-01

Complete the installation
SKINTOP® MS-SC page 522

ÖLFLEX® CONNECT solution
ÖLFLEX® CONNECT CABLES page 605

■ Technical data

Minimum bend radius:
- for stationary use: 5 x cable diameter
- for flexible use: 10 x cable diameter

Temperature range: -20°C to +70°C

Nominal voltage: (not for power applications)
- power pairs: 100V
- data pairs: 150V

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

Characteristic impedance: $100\Omega \pm 15\Omega$

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

Approvals: UL: AWM 21282
Additional: RoHS

Part number	Construction	Stranding data pair	Jacket material	Jacket color	Approvals	Fast connect	PoE	Nominal outer diameter in	mm	Approx. weight lbs/mft	SKINTOP® 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