

ETHERLINE® 2 pair: CAT.5 HYBRID

Industrial Ethernet cable for power with Ethernet applications

LAPP KABEL STÜTTGART 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.

Recommended applications

Flexible power with Ethernet applications

Approvals



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

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

Cable attributes page 648

OIL	OR-00	FLAME	FR-01
MOTION	FL-02	MECH.	MP-01

Complete the installation



ÖLFLEX® CONNECT solution



Technical data

Minimum bend radius:	- for stationary use: 5 x cable diameter - for flexible use: 10 x cable diameter	Characteristic impedance:	100Ω ± 15Ω
Temperature range:	-20°C to +70°C	Color code:	- power pairs: black with white numbers - data pairs: white & blue; yellow & orange
Nominal voltage:	(not for power applications) - power pairs: 100V - data pairs: 150V	Approvals:	UL: AWM 21282 Additional: RoHS
Test voltage:	- power pairs: 1000V - data pairs: 700V		

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

PROFINET® is a registered trademark of the PNO (PROFIBUS User Organization). EtherCAT® is a registered trademark of Beckhoff Automation GmbH. Recommended SKINTOP® assumes minimal OD variance. Additional configurations are available; please see our SKINTOP® section. If not otherwise specified, all values relating to the product are nominal values. Photographs are not to scale and are not true representations of the products in question.