

# ETHERLINE® 2 pair: CAT.5e 105C Plus; flexible

## Industrial Ethernet cable for high temperature flexible applications

LAPP KABEL STUTTGART ETHERLINE® CAT.5e 105 Plus



ETHERLINE® 105C is designed to perform in high temperature applications. The 2 pair construction includes foil and braid shielding and a TPE-based jacket.

### Construction

Conductors: bare copper wire

Insulation: polyethylene

Shielding: foil and copper braid

Jacket: TPE; green

### Recommended applications

Flexible high temperature applications; installation in hollow shaft between gear units and pitch system; PLCs, sensors, and other network devices

### Approvals



EtherNet/IP

### Application advantage

- Highly temperature resistant (105°C permanent, 120°C temporary)
- No need for additional protection against high temperatures
- Suitable for EtherCAT® & EtherNet/IP applications
- Conforms to PROFINET® standard
- Optimum EMC
- Suitable for PoE per IEEE 802.3at

Cable attributes				page 648		Complete the installation				ÖLFLEX® CONNECT solution			
OIL	OR-04	FLAME	FR-00		SKINTOP® MS-SC page 522		RJ45 connectors page 258		ÖLFLEX® CONNECT CABLES page 605				
MOTION	FL-02	MECH.	MP-05										

### Technical data

<b>Minimum bend radius:</b>	- for stationary use: 10 x cable diameter	<b>Nominal voltage:</b>	125V (not for power applications)
	- for flexible use: 15 x cable diameter	<b>Characteristic impedance:</b>	100Ω ± 15Ω
<b>Temperature range:</b>	- for stationary use: -40°C to +105°C (up to +120°C for temporary loads)	<b>Color code:</b>	white, yellow, blue, orange
	- for flexible use: -30°C to +105°C	<b>Approvals:</b>	RoHS

Part number	Construction	Stranding	Jacket material	Jacket color	Approvals	Fast connect	PoE	Nominal outer diameter		Approx. weight	SKINTOP® MS-SC
								in	mm	lbs/mft	PG thread
<b>CAT.5e</b>											
2170636	22 AWG/2pr	7 wire	TPE	green	PROFINET®	no	yes	0.244	6.2	36	53112210

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