

# 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



### 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	
OIL	OR-04	FLAME	FR-00
MOTION	FL-02	MECH.	MP-05

Complete the installation	
SKINTOP® MS-SC page 522	RJ45 connectors page 258

ÖLFLEX® CONNECT solution	
ÖLFLEX® CONNECT CABLES page 605	

### Technical data

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