

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		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			
Minimum bend radius:	- for stationary use: 10 x cable diameter		Nominal voltage: 125V (not for power applications)
	- for flexible use: 15 x cable diameter		Characteristic impedance: 100Ω ± 15Ω
Temperature range:	- for stationary use: -40°C to +105°C (up to +120°C for temporary loads)		Color code: white, yellow, blue, orange
	- for flexible use: -30°C to +105°C		Approvals: 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
CAT.5e											
2170636	22 AWG/2pr	7 wire	TPE	green	PROFINET®	no	yes	0.244	6.2	36	53112210

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