ETHERLINE®

Industrial Ethernet cable for special applications | **Data communication systems for Ethernet technology**

ETHERLINE® TRAY CAT.5e; flexible
Tray-rated industrial Ethernet cable for flexible applications

LAPP KABEL STUTTGART ETHERLINE® TRAY CAT.5e

ETHERLINE® TRAY CAT.5e cables are designed for flexible applications. Designed with a foil and braid shield, the cable is protected against EMI and can be used in areas where reliable transmission is key.

■ Construction

Conductors: stranded bare copper

Pairs: 4 pairs twisted together

Insulation: thermoplastic-based insulation

Shielding: foil and tinned copper braid

Jacket: PVC; green

■ Recommended applications

Flexible applications, cable trays, industrial machinery, plant infrastructure

■ Application advantage

- Wide application range due to multiple certifications
- PLTC (power limited tray cable) for protected use on cable trays
- Suitable for EtherNet/IP applications
- Suitable for PoE per IEEE 802.3at

■ Approvals

c(UL)us · RU · RoHS ✓ · EtherCAT Technology Group · EtherNet/IP™

Cable attributes		page 648
OIL	OR-02	FLAME FR-05
MOTION	FL-02	MECH. MP-01

Complete the installation	
SKINTOP® MS-SC page 522	90° RJ45 connectors page 259

ÖLFLEX® CONNECT solution
ÖLFLEX® CONNECT CABLES page 605

■ Technical data

Minimum bend radius:
- for stationary use: 10 x cable diameter
- for flexible use: 15 x cable diameter

Temperature range:
- for stationary use: –40°C to +80°C
- for flexible use: –25°C to +80°C

Nominal voltage: 600V (not for power applications)

Characteristic impedance: $100\Omega \pm 15\Omega$ (1 – 100 MHz)

Color code:
white/blue & blue,
white/orange & orange,
white/green & green,
white/brown & brown

Approvals:

	UL:	CMR per UL 444
		CMG per UL 444
		PLTC per UL 13
		AWM 2570 80°C 600V
	Canada:	c(UL) CMG
	Additional:	RoHS 2

Part number	Construction	Stranding	Jacket material	Jacket color	Approvals	PoE	Nominal outer diameter in	mm	Approx. weight lbs/mft	SKINTOP® MS-SC PG thread
CAT.5e										
2170450	22 AWG/4pr	7 wire	PVC	green	UL CMR, UL AWM, PLTC, 600V	yes	0.380	9.6	77	53112230