

ETHERLINE® TRAY CAT.7; stationary

Tray-rated industrial Ethernet cable for stationary applications

LAPP KABEL STUTTGART ETHERLINE® TRAY CAT.7



ETHERLINE® TRAY CAT.7 is designed for stationary applications with performance and maximum transfer rate (IEEE 802.3) of 10 GBit/s up to 328 feet. Pairs are individually foil shielded with and overall braid shield; offering excellent shielding properties based on IEC 61156-5 and can be used in areas where reliable transmission is key including EtherNet/IP, Profinet with 4 pairs, EtherCAT, Power over Ethernet (IEEE 802.3af) and Power over Ethernet Plus (802.3at).

Construction

Conductors: solid strand bare copper

Pairs: 4 twisted pairs individually shielded

Insulation: foam polyethylene insulation

Shielding: overall tinned copper braid

Jacket: Specially formulated PVC; green

Recommended applications

Stationary applications, cable trays, industrial machinery, commercial and plant infrastructure

Approvals



EtherCAT
Technology Group

EtherNet/IP

Application advantage

- Wide application range due to multiple certifications
- PLTC (Power Limited Tray Cable) for use in cable trays
- Suitable for EtherNet/IP applications
- Suitable for PoE per IEEE 802.3af and 802.3at
- Sunlight resistant
- Meets or exceeds requirements for Cat.6A per ANSI/TIA 568.2-D

Cable attributes		page 648	
OIL	OR-03	FLAME	FR-03
MOTION	FL-01	MECH.	MP-02

Complete the installation			
	SKINTOP® MS-SC page 522		RJ45 CAT.6A connectors page 258

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

Z_{∞} Characteristic impedance: $100\Omega \pm 15\Omega$ (1 - 100 MHz)

Temperature range:

- for stationary use: -40°C to +80°C
- for flexible use: -20°C to +80°C

Z_{∞} Color code:
white/blue & blue,
white/orange & orange,
white/green & green,
white/brown & brown

Nominal voltage:

UL/CSA 300V
UL/CSA AWM 600V

\checkmark Approvals:
UL: CMG per UL 444
PLTC per UL 13
AWM 21695 per UL 758
Canada: c(UL) CMG per CSA C22.2 No. 214
Additional: cRUS AWM II A/B FT4 per CSA C22.2
No 210

Test voltage:

1500V

Part number	Construction	Stranding	Jacket material	Jacket color	Approvals	PoE	Nominal outer diameter in mm	Approx. weight lbs/mft	RJ45 Connector
CAT.7									
2170472	22 AWG/4pr	solid	PVC	green	UL CMG, UL AWM 600V, PLTC	yes	0.350	8.9	77

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.