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 lacket: Specially formulated PVC; green

Recommended applications

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

Approvals





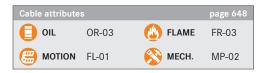




EtherNet/IP

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 586.2-D







Technical data

Minimum bend radius:

for stationary use:for flexible use:10 x cable diameter15 x cable diameter

Temperature range:

- for stationary use: -40°C to $+80^{\circ}\text{C}$ - for flexible use: -20°C to $+80^{\circ}\text{C}$

7 Nominal voltage: (not for power applications)

UL/CSA 300V UL/CSA AWM 600V

Test voltage: 1500V

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: CMG per UL 444

PLTC per UL 13

AWM 21695 per UL 758
Canada: c(UL) CMG per CSA C22.2 No. 214

Additional: cRU AWM II A/B FT4 per CSA C22.2

No 210

Part number	Construction	Stranding	Jacket material	Jacket color	Approvals	PoE	Nom outer di in		Approx. weight lbs/mft	RJ45 Connector
CAT.7										
2170472	22 AWG/4pr	solid	PVC	green	UL CMG, UL AWM 600V, PLTC	ves	0.350	8.9	77	21700636