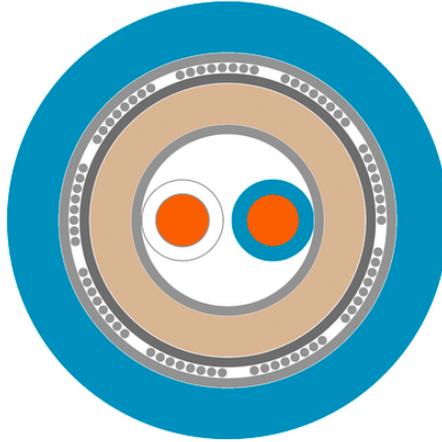


ETHERLINE® T1L

Ethernet-APL data cable for fixed installation

Shielded Ethernet APL data cable (10 Mbit/s) for hazardous areas in the process industry, bridging distances up to 1000 m, with Fast-Connect design and UL approval.

Ethernet-APL



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(24.04.2024)

ETHERLINE® T1L

Ethernet Advanced Physical Layer (Ethernet-APL) enables data transmission via Ethernet up to the field level in hazardous environments of the process industry.

Fast and efficient transmission of large amounts of data via Ethernet at 10 Mbit/s for bridging long distances (trunk length up to 1000 m or spurs up to 200 m).

Ethernet-APL supports the "Intrinsically Safe" ignition protection type and is based on the 2-WISE (2-Wire Intrinsically Safe Ethernet) concept according to IEC TS 60079-47, thus achieving explosion protection technology with a high level of protection.

Power-over-Data-Line (PoDL)-capable line according to IEEE 802.3bu for simultaneous power and data supply of SPE terminals with low power requirements (up to 50 W).

Ideal protection against electromagnetic interference due to double shielding of aluminum-clad foil and copper braided shield with high coverage (SF/UTP).

Especially suitable for long transmission distances up to 1000 m according to IEC 61156-13.

For Single Pair Ethernet (SPE) applications 10Base-T1-L according to IEEE 802.3cg.

Especially for demanding applications in the process industry.

NEC 725.154 (D) / ACC

PLTC-ER

PVC outer sheath is resistant to acids and alkalis

UL / CSA (CMG / PLTC)

IEC 60332-3-24 FT4

UL Cable Flame Test

UV UL SUN RES

UL OIL RES I

Transmission characteristics acc. to IEC 61156-13

10BASE-T1L (IEEE 802.3cg)

Power over Data Line (PoDL), IEEE 802.3bu

2 WISE Ethernet (IEC/TS 60079-47)

AWG23

(FC)

PVC

(RAL 5015)

ETIM 5:

ETIM 5.0/6.0 Class-ID: EC000830

ETIM 5.0/6.0 Class :

ETIM 6:

ETIM 6.0 Class-ID: EC000830

ETIM 6.0 Class :

:

() 125 V

:

: 4 x

:

Core/core: 2000 V

Core/screen: 2000 V

..:

nom. 100

:

Fixed installation (IEC): -40°C bis +80°C

(24.04.2024)

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data sheet

PN 0456 / 02_03.16



ETHERLINE® T1L

UL: max. +80°C

가 VAT 가 가 .

(24.04.2024)



ETHERLINE® T1L

Article number		AWG	(mm)	mm	(kg/km)	(kg/km)
2170918	ETHERLINE T1L FC Y 1x2x18/1AWG	1x2x18/1AWG	2.55	8.0	0.001	96

(24.04.2024)

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