

ETHERLINE® T1 FD

Single Pair Ethernet data cable for highly flexible use

Highly flexible, shielded single pair Ethernet data cable with PUR outer jacket and UL approval. Suitable for continuous flexing use in drag chains.

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Lapp



(24.04.2024)

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data sheet

PN 0456 / 02_03.16

ETHERLINE® T1 FD



Successfully tested to over 3.0 million bending cycles in the drag chain.

Fast information exchange through future-proof Single Pair Ethernet (SPE) technology for a continuous and uniform network infrastructure down to the field level.

A single-pair cable design saves weight and space. Small bending radii and outer diameters are essential for the connection to the field level.

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).

For Single-Pair-Ethernet applications 100Base-T1 according to IEEE 802.3bw and 1000Base-T1 according to IEEE 802.3bp.

Cable design allows highly flexible, continuously moving use in moving machine parts and in the drag chain.

Can be used in dry, damp and especially in harsh and oily environments.

PUR outer sheath withstands high mechanical loads

PUR outer sheath is insensitive to mineral oil-based lubricants and chemically resistant in many cases

ISO 4892-2 UV-

PUR : UL AWM Style 20549

, IEC 60332-1-2, UL FT-2

IEC 60754-1

Oil-resistant according to EN 50363-10-2

IEEE 802.3cg: 10BASE-T1

IEEE 802.3bw: 100BASE-T1

IEEE 802.3bp: 1000BASE-T1

Electrical performance acc. to IEC 61156-12

fine-wire stranded bare copper, 19-wire

:

: PUR ,

ETIM 5:

ETIM 5.0 Class-ID: EC000830

ETIM 5.0 Class- :

ETIM 6:

ETIM 6.0 Class-ID: EC000830

ETIM 6.0 Class :

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:	() 125 V
:		: 4 x
:		: 15 x
:		C/C: 2000V
:		C/S: 2000V
::		nom. 100

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ETHERLINE® T1 FD

Article number		AWG	(mm)	mm	(kg/km)	(kg/km)
2170920	ETHERLINE T1 FD P 1x2x26/19AWG	1x2x26/19AWG	1.05	4.6	12.3	27.4

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