

FieldLink® for Industrial Ethernet applications



Extrem reliability – even in case of fire

Applications

- PROFINET / Industrial Ethernet for permanent installation and flexible use (FRNC)
- FE90: insulation integrity 90 minutes in case of fire

Conductor

- Stranded tinned copper wire AWG 22
- Insulation of Polyethylene (PE)
ø 1.56 mm
- Fire resistant tape

Core

- Four wires twisted (WH-YE-BU-OG)
- Plastic tape overlapped
- Alulamine foil overlapped
- Shield braiding of tinned copper wires
- Fire resistant tape overlapped

Jacket

- Thermoplastic copolymer (FRNC) BK
ø 6.5 mm

Mechanical and thermal characteristics

- Fire resistant
acc.to IEC 60331-23 (90 min.)
- UL AWM Style 21281 (80 °C / 300 V)

Type designation

- 2Y(FE)(ST)C(FE)H 2X2X0.75/1.9-100
LI SW

Order Number

- L45467-J17-B46

Industrial Ethernet CAT.5e fire resistant

The newly developed Industrial Ethernet Cat.5e cable from LEONI's FieldLink product family is characterized by its extreme fire resistance. The individual wires as well as the shield of the cable are protected by a fire resistant tape and prevent a short circuit in case of fire.

More properties:

- Flexible
- Halogen-free
- Low smoke
- Extreme flame retardant
- UV resistant
- UL style 21281
- Profinet compliant

LEONI

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