ETHERLINE® FIRE

Industrial Ethernet cable with insulation integrity

Industrial Ethernet cable for fixed installation, insulation integrity for 120 minutes, qualified for 1 GBit/s

Info
insulation integrity for at least 120 minutes in the event of fire

Flame-retardant

Halogen-free

Reliability

Interference signals

Benefits
Ensures that the cable can still transmit
data during and after a fire for 120 min
(according to EN50200)
High-quality, double screening ensures high transmission reliability in areas with electromagnetic interference

Application range
In industrial areas that use fire as a tool
Highly combustible or fire-prone areas
for fixed installation
For indoor use

Product features
Fire behaviour:
- Halogen-free (IEC 60754-1 & EN50267-2-1)
- Flame-retardant (IEC 60332-1)
- Fire retardant (IEC 60332-3-24)
- Low smoke density (IEC 61034-2)
- Circuit integrity (EN50200); 120 min

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Product Make-up
Solid bare copper conductor
Core insulation: Based on Polyolefin
each insulation will be wrapped with a special tape (anti-fire barrier)
Twisting: 2 twisted-pair cores, stranding from 4 pairs
Halogen-free and flame-retardant FRNC outer sheath, colour: red (similar to RAL3000)

Technical Data

Classification ETIM 5:	ETIM 5.0/6.0 Class-ID: EC000830
	ETIM 5.0/6.0 Class-Description: Data cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000830
	ETIM 6.0 Class-Description: Data cable
Peak operating voltage:	(not for power applications) 125 V
Minimum bending radius:	Fixed installation: 15 x outer diameter
Characteristic impedance:	nom. 100 Ω acc. to IEC 61156-5
Temperature range:	Fixed installation: -20°C to +70°C

Note
Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Detailed data sheets are available upon request. Please specify the type/dimensions of the required cable.
Photographs and graphics are not to scale and do not represent detailed images of the respective products.
Prices are net prices without VAT and surcharges. Sale to business customers only.

Article number	Article designation	Number of pairs and AWG per conductor	Core diameter in mm	Outer diameter mm	J_1NVGW
2170905	ETHERLINE® FIRE Cat.5e PH120	4 x 2 x AWG23/1	0.95	8.6	24
2170913	ETHERLINE® FIRE Cat.6 PH120	4 x 2 x AWG22/1	1.5	10.2	48

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