

UNITRONIC® LAN 200 F/UTP Cat.5e FLEX**Article No.:** 2170127

Ethernet cable; Flexible, Fixed Installation; Cat.5e; F/UTP; PVC; gray

**Details****Benefits**

- Fast information exchange through Ethernet technology.
- For the transmission of analog and digital signals in the frequency range up to 100 MHz (Cat. 5e) or up to 600 MHz (Cat. 7).
- The flexible cable design makes it ideal for use in restricted spaces.
- Easier to assemble than rigid LAN cables.
- Available with robust PVC or halogen free LSZH outer jacket.
- Available in different shielding variants.

Application

- For structured building cabling according to EN 50173 and ISO/IEC 11801.
- Suitable for patch cable assembly up to a cable length of 60 m (196.86 ft).

Notes

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

The absence of PWIS raw materials does not protect against the potential risk of contamination with substances that interfere with the paint wetting during subsequent handling of the product(s) during transport, storage or further processing after delivery.

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

Remarks

Technical Data

General information

Brand	UNITRONIC®
Product type	Ethernet cable
Copper index	87.3 lb/10000 ft

Electrical parameters

Nominal voltage	48 V AC rms according to IEC
Rated voltage conductor to conductor	50 V AC rms according to IEC
Maximum operating voltage (not for power transmission)	125 V
Test voltage conductor/conductor	0.7 kV
Test voltage conductor/shielding	0.7 kV
test voltage	0.7 kV
Supports Power over Ethernet	IEEE 802.3af (PoE) IEEE 802.3at (PoE+) IEEE 802.3bt (4PPoE)
Loop resistance at 20°C	290 Ω/km
Nominal characteristic impedance	100 Ω
Possible data transmission rates	1000 Mbit/s

Product design

Conductor count/size	4X2X26/7AWG
Nominal cross section conductor (mm ²)	0.14 mm ²
Nominal cross section conductor (AWG)	26 AWG
Leading conductor cross-section	AWG

Wire count	7
Conductor material	Bare Copper
Conductor design	7-wire
Including protective ground	No
Number of cores	8
Number of pairs	4
Stranding type	Twisted-pair
Additional stranding element	Drain Wire
Shielded	Yes
Type of overall shielding	Aluminum-laminated plastic foil
Abbreviation shielding	F/UTP
With rodent protection	No
Nominal conductor diameter	0.038 in
Min. outer diameter	0.201 in
Nominal outer diameter	0.213 in
Max. outer diameter	0.224 in
Cable form	Round
Core insulation base material	Polyethylene
Conductor insulation basic material, short form	PE
Basic material of outer jacket	Polyvinylchloride
Base material of outer sheath, shortname	PVC
Outer jacket color	gray
Colour outer sheath RAL code	RAL 7035
Core identification	Colors

Product features

Application area	Flexible Fixed Installation
For permanent bending	No
Windable	No
Minimum bending radius, stationary	4 x outer diameter
Minimum bending radius in inch, fixed installation	0.898 in

Minimum bending radius, occasionally moved	8 x outer diameter
Minimum bending radius in mm, occasionally moved	1.795 in
Temperature, fixed installation	-20 °C to 60 °C max. conductor temperature
Temperature, occasionally moved	0 °C to 50 °C max. conductor temperature
Installation temperature min.	0 °C
Max. assembly temperature	50 °C
Flame-retardant	Yes
Flame retardance according to	IEC 60332-1-2
Halogenfree	No
Oil resistant	No
PWIS-free	Yes
PWIS-free according to	VDMA 24364-B2-L
Ethernet cable category	Cat.5e
Fast Connect (FC) cable	No

Certifications and standards

CE marking	No
EAC certified	Yes
EAC certification number	EAЭC N RU Д-DE.АЮ64.В.00130/20
VDE certified	No

ETHERLINE® LAN FLEX

Article No.	Name	Conductor count/size	Ethernet cable category	Abbreviation shielding	Halogenfree	Nominal outer diameter	Copper index
2170127	UNITRONIC® LAN 200 F/UTP Cat.5e FLEX	4X2X26/7AWG	Cat.5e	F/UTP	No	0.213 in	87.3 lb/10000 ft
2170129	UNITRONIC® LAN 200 SF/UTP Cat.5e FLEX	4X2X26/7AWG	Cat.5e	SF/UTP	No	0.228 in	147.8 lb/10000 ft
2170139	UNITRONIC® LAN 200 SF/UTP Cat.5eLSZH FLEX	4X2X26/7AWG	Cat.5e	SF/UTP	Yes	0.228 in	147.8 lb/10000 ft
2170142	UNITRONIC® LAN 600 S/FTP Cat.7 LSZH Flex	4X2X26/7AWG	Cat.7	S/FTP	Yes	0.244 in	141.1 lb/10000 ft
2170144	UNITRONIC® LAN 600 S/FTP CAT7 Y FLEX	4X2X26/7AWG	Cat.7	S/FTP	No	0.244 in	147.8 lb/10000 ft
2170172	UNITRONIC® LAN 200 F/UTP Cat.5eLSZH FLEX	4X2X26/7AWG	Cat.5e	F/UTP	Yes	0.213 in	87.36 lb/10000 ft

V1.1