

UNITRONIC® LAN 600 S/FTP Cat.7 LSZH Flex
Article No.: 2170142

Ethernet cable; Flexible, Fixed Installation; Cat.7; S/FTP; Halogenfree; gray


CE

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 | 141.1 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 | 0.7 kV |
| Supports Power over Ethernet | IEEE 802.3af (PoE) IEEE 802.3at (PoE+) IEEE 802.3bt (4PPoE) |
| Segregation class according to EN 50174-2 | D |
| Loop resistance at 20°C | 290 Ω/km |
| Nominal characteristic impedance | 100 Ω |
| Possible data transmission rates | 10000 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 design | 7-wire |

| | |
|---|---------------------------------|
| Including protective ground | No |
| Number of cores | 8 |
| Number of pairs | 4 |
| Type of pair shielding | Aluminum-laminated plastic foil |
| Stranding type | Twisted-pair |
| Shielded | Yes |
| Type of overall shielding | Tin-plated copper braiding |
| Abbreviation shielding | S/FTP |
| With rodent protection | No |
| Nominal conductor diameter | 0.041 in |
| Min. outer diameter | 0.232 in |
| Nominal outer diameter | 0.244 in |
| Max. outer diameter | 0.256 in |
| Cable form | Round |
| Core insulation base material | Polyethylene foam |
| Conductor insulation basic material, short form | Foam-Skin PE |
| Basic material of outer jacket | Halogen-free compound |
| 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 | 1.024 in |
| Minimum bending radius, occasionally moved | 8 x outer diameter |
| Minimum bending radius in mm, occasionally moved | 2.047 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 | Yes |
| Halogen-free according to | IEC 60754-1 |
| Oil resistant | No |
| PWIS-free | Yes |
| PWIS-free according to | VDMA 24364-B2-L |
| Ethernet cable category | Cat.7 |
| Fast Connect (FC) cable | No |

Certifications and standards

| | |
|---|---------------------------------|
| CE marking | Yes |
| EAC certified | Yes |
| EAC certification number | EAЭC N RU Д-DE.АЮ064.В.00130/20 |
| VDE certified | No |
| CPR fire class | Eca |
| Resistance to flame propagation tested according to UN/ECE-R118 | Yes |

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