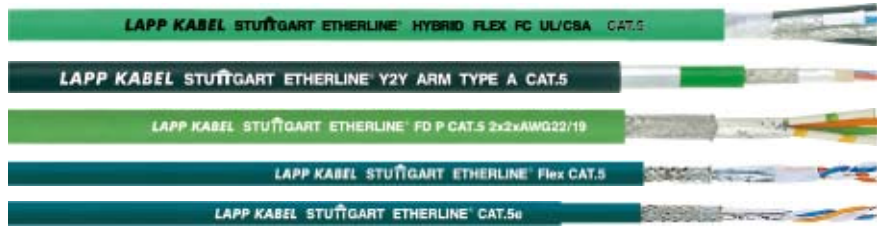


ETHERLINE® 2-pairs CAT.5/5e



Info

- Industrial Ethernet Cable
- CAT.5/5e



Benefits

- ETHERNET with the globally accepted TCP/IP protocol will most probably either provide a connection to the established "Fieldbus World" or the Sensor-Actuator level. Either via a gateway to the "Fieldbus World" or straight through downwards to the lowest communication level. The transmission rates are presently either 10 Mbit/s (ETHERNET) or at least 100 Mbit/s = LAN CAT.5 requirements (Fast Ethernet = Industrial Ethernet) respectively CAT.6a or CAT.7 requirements.
- With regard to transmission rates, the "ETHERNET world" is cut into:
 - ETHERNET = 10 Mbit/s
 - FAST ETHERNET = 100 Mbit/s
 - GIGABIT ETHERNET = 1000 Mbit/s

Product features

- In order to reach 100 m link length (like in the office area acc. to ISO 11801) for flexible and highly flexible cable types a cross section of AWG22 is necessary.
- All ETHERLINE® cables with a cross section of AWG22 are PROFINET® compliant.

Technical data

- Z_∞ Info**
Further technical data: see Data Sheet
- Z_∞ Characteristic impedance**
100 Ohm at 1 - 100 MHz

Approvals (Norm references)



Design

- Cables with conductor cross-section
- AWG24/AWG26:
- Colour: water blue (RAL 5021)
- AWG22:
- Colour: yellow green (RAL 6018)

Part number	Article designation	Number of pairs and dimensions	Outer diameter in mm max.	Copper index kg/km	Weight kg/km approx.
Conductor AWG24 (outer sheath colour marine blue RAL 5021)					
2170280	ETHERLINE® H CAT.5e	2 x 2 x AWG24/1	5.8	22.0	45.0
2170281	ETHERLINE® P CAT.5e	2 x 2 x AWG24/1	5.8	22.0	53.0
Conductor AWG22 = PROFINET-conform (outer sheath colour yellow-green RAL 6018)					
For fixed installation (solid conductor) = type A					
2170891	ETHERLINE® Y UL/CSA CAT.5e	2 x 2 x AWG22/1	6.4	30.4	56.0
2170893	ETHERLINE® Y FC UL/CSA (CMG) CAT.5	2 x 2 x AWG22/1	6.5	30.4	70.0
2170494	ETHERLINE® YY UL/CSA (CMG) CAT.5e	2 x 2 x AWG22/1	7.8	30.4	62.0
For fixed installation, outdoor installation/direct burial = type A					
2170496	ETHERLINE® Y2Y ARM Type A CAT.5	2 x 2 x AWG22/1	9.3	30.4	124.0
For flexible application (7 wire stranded conductor) = Type B					
2170283	ETHERLINE® H Flex CAT.5e	2 x 2 x AWG26/7	5.4	19.0	43.0
2170284	ETHERLINE® P Flex CAT.5e	2 x 2 x AWG26/7	5.8	19.0	45.0
For highly flexible application / 19 wires					
Only for patchcords (max. 60 m)					
2170289	ETHERLINE® FD P CAT.5e	2 x 2 x AWG26/19	6.1	20.0	48.0
Conductor AWG22 = PROFINET-conform					
For flexible application (7 wire stranded conductor) = Type B					
2170886	ETHERLINE® Y FLEX FC UL/CSA (CMG) CAT.5	2 x 2 x AWG22/7	6.5	31.3	67.0
2170887	ETHERLINE® FRNC HYBRID FLEX CAT.5 UL (AWM)	2x2xAWG22/7 + 4x1.5	10.3	94.2	153.0
For highly flexible application (7 wire stranded conductor) = Type C					
2170894	ETHERLINE® FD P FC UL/CSA (CMX) CAT.5	2 x 2 x AWG22/7	6.5	31.3	63.0

Copper price basis: EUR 150 / 100 kg; For utilization and definition of ‚Metal price basis‘ and ‚Metal index‘ see Appendix T17
 Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
 Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum
 Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)
 PROFINET® is a registered trademark of the PNO (PROFIBUS user organisation)

Accessories

- Connector RJ45 CAT.5 Hirose TM11 see page 407
- Connector RJ45 CAT.5 Stewart SS37 see page 407
- Field-Terminable Connector RJ45 CAT.5e FM45 see page 407
- Multipurpose shears A and B see page 902
- DATA STRIP stripping tool see page 909