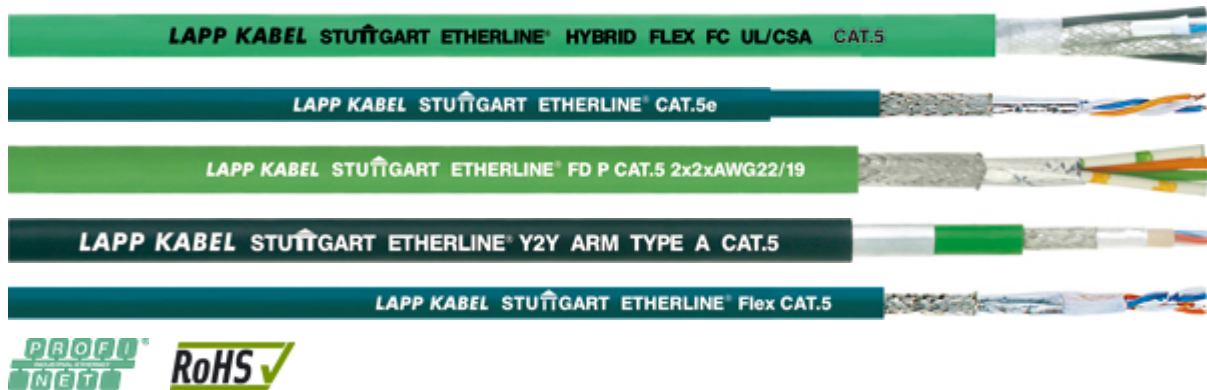


Product Description

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



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

Design

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

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.
- Further technical data: see Data Sheet



Technical Data

Characteristic impedance

100 Ohm at 1 - 100 MHz

Article List

Part number	Article designation	Paarzahl und AWG je Leiter	Outer diameter in mm max.	Copper index kg/km	Weight kg/km
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
2170281	ETHERLINE® P CAT.5e	2 x 2 x AWG24/1	5,8	22.0	53
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
2170893	ETHERLINE® Y FC UL/CSA (CMG) CAT.5	2 x 2 x AWG22/1	6,5	30.4	70
2170494	ETHERLINE® YY UL/CSA (CMG) CAT.5e	2 x 2 x AWG22/1	7,8	30.4	62
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
For flexible application (7-wire stranded conductor) Only for patchcords (max. 60 m)					
2170283	ETHERLINE® H Flex CAT.5e	2 x 2 x AWG26/7	5,4	19.0	43
2170284	ETHERLINE® P Flex CAT.5e	2 x 2 x AWG26/7	5,8	19.0	45
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
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
2170887	ETHERLINE® FRNC HYBRID FLEX CAT.5 UL (AWM)	2x2xAWG22/7 + 4x1.5	10,3	94.2	153
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

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

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)

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