



## ETHERLINE® Cat.5 ARM

Fixed installation

LAPP KABEL STUTTGART ETHERLINE® Y2Y ARM TYPE A CAT.5

### Benefits

- Very low installation cost due to the use of Ethernet cables
- EMC-optimised
- With armouring for improved rodent protection
- Screened against interference

### Application range

- Can be used for Industrial Ethernet in harsh industrial environments
- 2pair: 10/100 Mbit/s for Industrial Ethernet
- Suitable for outdoor use, UV-resistant
- PROFINET application Type C but for fixed installation
- Suitable for direct burial

### Product features

- CAT.5-Performance
- Colour-coded in accordance with PROFINET for Cat.5 applications

### Product make-up

- Solid and bare copper conductor
- Core insulation: PE
- Overlapping plastic tape
- SF/UTP: copper braid and foil screening as overall screening
- Inner sheath made of PVC (green RAL6018)
- 2 layer galvanizid steel tape
- Outer sheath made of black polyethylene (PE)



### Info

- Industrial Ethernet cable
- CAT.5-Performance

### Technical data

**Peak operating voltage**  
(not for power applications) 125 V

**Minimum bending radius**  
Fixed installation: 10 x outer diameter  
Flexing: 15 x outer diameter

**Test voltage**  
Core/core: 2000 V  
Core/screen: 2000 V

**Temperature range**  
Operation: -40 °C to +70 °C  
During installation: -20 °C to +60 °C

**Characteristic impedance**  
100 Ohm +/- 15%

Article number	Article designation	Number of pairs and AWG per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
<b>Fixed installation</b>					
2170496	ETHERLINE® Cat.5 ARM	2 x 2 x AWG22/1	9.3	30.4	124

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request. Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)  
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum  
Detailed data sheets are available upon request. Please specify the type/dimensions of the required cable.  
Photographs are not to scale and do not represent detailed images of the respective products.



## ETHERLINE® Cat.5 FRNC HYBRID

Flexible use

LAPP KABEL STUTTGART ETHERLINE® FRNC HYBRID

### Benefits

- Industrial use
- Screened against interference

### Application range

- Industrial Ethernet cable
- 2pair: 10/100 Mbit/s for Industrial Ethernet
- High-quality, double screening ensures high transmission reliability in areas with electromagnetic interference
- PROFINET application Type C Hybrid
- Suitable for EtherCAT and EtherNet/IP applications

### Product features

- Flame-retardant according IEC 60332-1-2
- HYBRID: cable for data transmission + power supply
- Robust, halogen-free outer sheath
- CAT.5-Performance

### Norm references / Approvals

- UL AWM Style 21282

### Product make-up

- Cores for Power Supply  
4 x 1.5 mm<sup>2</sup> (AWG16)
- Data transfer: braided conductor, 7-wire, bare
- Screening: wrapped with foil and braided copper wires
- Twisting: data pairs and power supply pairs twisted together
- Overlapping plastic tape
- FRNC outer sheath
- Colour: green (based on RAL 6018)



### Info

- HYBRID: cable for data transmission + power supply

### Technical data

**Minimum bending radius**  
Occasional flexing: 10 x outer diameter  
Fixed installation: 5 x outer diameter

**Test voltage**  
See data sheet

**Temperature range**  
Operation: -20 °C to +70 °C

**Characteristic impedance**  
100 Ohm +/- 15%

Article number	Article designation	Number of pairs and AWG per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
<b>Flexible use</b>					
2170887	ETHERLINE® Cat.5 FRNC HYBRID	2x2xAWG22/7 + 4x1.5	10.3	94.2	153

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