

U.I. Lapp GmbH	<b>PRODUCT INFORMATION</b>	
	<b>ETHERLINE® PN FLEX</b>	29.11.2013

Industrial Ethernet cable Cat.5 for flexible use, for PROFINET- application Type B, design 2x2xAWG22/7; PVC or FRNC outer jacket, UL- approval



Suitable for outdoor use



Automation



Flame-retardant



Interference signals



UV-resistant

### Info

For Profinet applications  
 CAT.5-Performance  
 Flexible use

### Application range

for industrial secondary and tertiary cabling according to EN 50173-3 ISO/IEC 24702  
 For flexible applications (7-wire stranded conductor)  
 Wiring of machines, tools, devices, appliances and control cabinets  
 suitable for EtherCAT and EtherNet/IP applications  
 2pair: 10/100 Mbit/s for Industrial Ethernet

### Benefits

Screened against interference  
 For PROFINET applications type B  
 Industrial use  
 Can be used in dry or damp rooms

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### Design

Stranded 7-wire bare conductor  
Core insulation: PE  
Star quad  
Inner sheath made of PVC or FRNC  
Overall screening with copper braid and plastic-laminated aluminium foil  
PVC or FRNC jacket material  
Colour: green (based on RAL 6018)

### Norm references / Approvals

The cable is UL/CSA-approved (CMG)

### Product features

Flame-retardant according to CSA FT4 UL Vertical-Tray Flame Test  
CAT.5-Performance  
FRNC Version: Halogene free and flame retardant  
Fast Connect (FC) cable design

### Remark

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  $\leq$  30 kg or  $\leq$  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.

### Technical Data

Peak operating voltage:	(not for power applications) 125 V
Minimum bending radius:	Fixed installation: see data sheet
Test voltage:	Core/core: 2000 V Core/screen: 2000 V
Temperature range:	See data sheet
Characteristic impedance:	100 Ohm $\pm$ 15%

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Part number	Article designation	Number of pairs and AWG per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
PVC sheath					
2170886	ETHERLINE® PN Cat.5 Y FLEX FC	2 x 2 x AWG22/7	6,5	31.3	67
FRNC outer sheath					
2170890	ETHERLINE® PN Cat.5 FRNC FLEX FC	2 x 2 x AWG22/7	6,5	31.2	65