

U.I. Lapp GmbH	PRODUCT INFORMATION	
	ETHERLINE® PN FLEX	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

Product Management	Document: LAPP_PRO206413EN.pdf	1 / 3
--------------------	--------------------------------	-------

U.I. Lapp GmbH	PRODUCT INFORMATION	
	ETHERLINE® PN FLEX	29.11.2013

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

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%

Product Management	Document: LAPP_PRO206413EN.pdf	2 / 3
--------------------	--------------------------------	-------



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