U.I. Lapp GmbH	PRODUCT INFORMATION	**LAPP GROUP**
	ETHERLINE® PN Flex Cat.5 RJ45	**05.11.2015**

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PROFINET Patchcord RJ45
Industrial Ethernet Profinet Type B, Patchcord RJ45/RJ45, PVC; Cat.5 2pair

	Automation & fältinstallation
	Industrial machinery and plant engineering
	Mechanical resistance
	Assembly time
	Interference signals

Info
For PROFINET applications
Other types are available on www.lappgroup.com/assemblyfinder or upon request

Application range
For PROFINET applications type B
Flexible use
suitable for EtherCAT and EtherNet/IP applications
Suitable for use in industrial applications
For indoor use

Benefits
Non-permanent connections allow for easy change of equipment
For directly connecting two electric components
CAT.5-Performance

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Product Make-up

Flexible fine-wire copper conductor
Star quad
Overall screening with copper braid and plastic-laminated aluminium foil
Outer sheath made of PVC
Colour: green (based on RAL 6018)
pre-assembled patchcord with RJ45 connectors

Norm references / Approvals

The cable is UL/CSA-certified (CMG)

Product features

Meets the requirements according to CAT.5e, ISO/IEC 11801 and EN 50173, Class D
2pair: 10/100 Mbit/s for Industrial Ethernet

Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
Other lengths and types of connectors are available upon request.
Photographs are not to scale and do not represent detailed images of the respective products.
For detailed technical information please refer to the data sheet

Technical Data

Minimum bending radius:	During installation: 15 x outer diameter
	Fixed installation: 10 x outer diameter
Protection rating:	RJ45 - IP 20
Temperature range:	During installation: -20°C to +60°C
	Fixed installation: -40°C to +80°C
Characteristic impedance:	100 Ohm +- 15%

Part number	Article designation	Number of pairs and AWG per conductor	Length (m)	Copper index (kg/km)
straight plug RJ45 on straight plug RJ45				
2171228	IE-PNB-5-RJ45-0,5-Y-2-22-7-RJ45	2x2xAWG22	0.5	15.65
2171229	IE-PNB-5-RJ45-1-Y-2-22-7-RJ45	2x2xAWG22	1.0	31.3
2171230	IE-PNB-5-RJ45-2-Y-2-22-7-RJ45	2x2xAWG22	2.0	62.6
2171231	IE-PNB-5-RJ45-3-Y-2-22-7-RJ45	2x2xAWG22	3.0	93.9
2171232	IE-PNB-5-RJ45-5-Y-2-22-7-RJ45	2x2xAWG22	5.0	156.5
2171233	IE-PNB-5-RJ45-10-Y-2-22-7-RJ45	2x2xAWG22	10.0	313.0
2171234	IE-PNB-5-RJ45-20-Y-2-22-7-RJ45	2x2xAWG22	20.0	626.0
straight plug RJ45 on free conductor end				
2171235	IE-PNB-5-RJ45-0,5-Y-2-22-7-OE	2x2xAWG22	0.5	15.65
2171236	IE-PNB-5-RJ45-1-Y-2-22-7-OE	2x2xAWG22	1.0	31.3
2171237	IE-PNB-5-RJ45-2-Y-2-22-7-OE	2x2xAWG22	2.0	62.6
2171238	IE-PNB-5-RJ45-3-Y-2-22-7-OE	2x2xAWG22	3.0	93.9
2171239	IE-PNB-5-RJ45-5-Y-2-22-7-OE	2x2xAWG22	5.0	156.5
2171240	IE-PNB-5-RJ45-10-Y-2-22-7-OE	2x2xAWG22	10.0	313.0
2171241	IE-PNB-5-RJ45-20-Y-2-22-7-OE	2x2xAWG22	20.0	626.0