

# LANmark Industry Patch Cords RJ45 IP67/IP20 Cat 6A

LANmark Industry patch cord RJ45 IP67/IP20 Category 6A screened  
PVC 5m Yellow

Nexans Ref.: N10i.E34HJ

- Industrial Patch Cord RJ45 Cat 6A
- One end with IP67 protection Level (Dust/liquids) - IP20 on the other end
- Suitable for the LANmark Industry IP65/67 outlet Cat 6, Cat 6A or Cat 7A
- Cable with good mechanical performance and resistant to chemicals
- Conform with the requirements of the ISO/IEC24702 and IEC 61076-3-106 (8way Industrial connector)
- Fully screened

## DESCRIPTION

### Application

The LANmark Industry IP67/IP20 Patch Cord is designed to be used together with the LANmark Industry IP65/67 outlet. Within industrial and harsh areas, it will provide a secure connection free of liquids and dust.

The IP20 end of the patch cord can be connected to any IT or industrial equipment featuring a standard RJ45 port.

LANmark Industry patchcords can be used to deliver a full end-to-end Class E or EA solution in industrial areas.

### Performance

- High Speed patchcords
- Reliable connections
- Full compliance to ISO/IEC24702 (Generic Cabling - industrial premises)

The LANmark Industry patch cords have been designed to reach the highest performance in Class E. They show excellent performance for attenuation (insertion loss), NEXT/FEXT, Power Sum NEXT/FEXT and Return Loss as defined in ISO/IEC 11801:2002.

This provides improved data throughput.

As such it supports all data applications defined for Cat 5, Cat 5E, Cat 6 and Cat 6A, such as:

- 10baseT
- Fast Ethernet
- Gigabit Ethernet
- 155 ATM
- 622 ATM
- 1.2 ATM
- **Industrial Ethernet.**



**LANmark**  
Industry

## STANDARDS

International IEC 61076-3-106;  
ISO/IEC 11801; ISO/IEC 24702



Lead free  
Yes



Electro magnetic  
interference resistance  
Yes



Operating temp.  
-10 ... 80 °C



Weather resistance  
Good



Chemical resistance  
Excellent



RoHS compliant  
Yes



Flame retardant  
IEC 60332-1-2

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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The IP67/IP20 end of the patchcords features a Push-Pull boot. It provides the IP67 protection level as well as a locking sytem for the cords. The cords can only be removed from the outlet when the user pulls on the boot. The cords can't be removed just by pulling the cable. This Push-Pull locking boot is compliant with the ISO/IEC24702 and IEC 61073-3-106 (8way industrial connector).

### Installation

- Cable with very good chemical and mechanical performances.
- Lengths available: 1,5 - 3,0 - 5,0 and 10m.
- IP67 single end cord of 10m available.
- Rugged construction.
- High connector retention force due to special boots.
- External strain relief
- IP67 Push-Pull locking system



Lead free  
**Yes**



Electro magnetic  
interference resistance  
**Yes**



Operating temp.  
-10 ... 80 °C



Weather resistance  
**Good**



Chemical resistance  
**Excellent**



RoHS compliant  
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## CHARACTERISTICS

### Construction characteristics

Connector type	RJ 45
Type of cable	S/FTP
Individual screen	Aluminium / Polyester tape
Overall screen	Tinned copper braid
Inner sheath	None
Outer sheath	PVC
Sheath colour	Yellow
Lead free	Yes

### Dimensional characteristics

Number of pairs	4
Outer Diameter	6.5 mm
Approximate weight per piece	0.35 kg

### Electrical characteristics

Maximal operating frequency	500 MHz
Characteristic impedance	100 Ohm

### Mechanical characteristics

Abrasion resistance	High
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### Usage characteristics

Component function	Cabling and Connectivity solutions
Field of application	Fixed installations
Category	Cat. 6A
Length	5 m
Mechanical durability/matings	750
Electro magnetic interference resistance	Yes
Operating temperature, range	-10 ... 80 °C
Weather resistance	Good
Chemical resistance	Excellent
Packaging	Plastic bag
RoHS compliant	Yes
Flame retardant	IEC 60332-1-2