

# N-LINE CAT. 6 U/UTP

N-LINE 2xCat6 U/UTP 20-50 krt.

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Halogen-free corrugated installation PP conduit. Un-shielded Cat 6 data cable with 4 pairs in star alignment with center cross divider. Sheath and insulation are made of flame retarded halogen-free material.

## DESCRIPTION

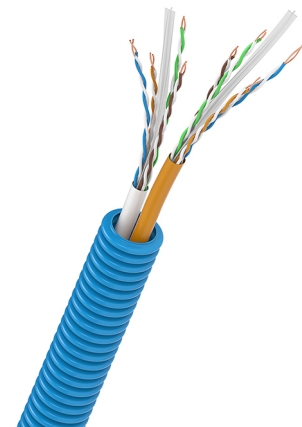
Pre-wired Category 6 U/UTP cable in corrugated conduit. It is produced with either one white CAT. 6 U/UTP in 16 mm conduit or two white (one cable will be marked) CAT. 6 U/UTP in 20 mm conduit. Thanks to the center cross in the cable's core, a performance level that exceeds current standards is guaranteed. Sheath and insulation are made of halogen-free material. The cable meets fire requirements according to CPR class Dcas2d2a2. In the event of a fire, the cable emits no corrosive gases and has little smoke.

The halogen-free PP (polypropylene) corrugated conduits are intended for recessed installation, laying on cable ladders and casting in concrete. The product will be delivered in a flexible and user-friendly packaging, Cable Guy, that simplifies the installation work significantly, alternatively on the cable drum that fits in Nexans' drum trolley, Cable Walker.

### CATEGORY 6 U/UTP OPTIONS:

Single run Cat 6 U/UTP LSZH in 16mm Blue conduit

Dual run (2x) Cat 6 U/UTP LSZH in 20mm Blue conduit



## DECLARATION OF PERFORMANCE

Dca-s2,d2,a2

## STANDARDS

**International** EN 50173;  
IEC 61156-5; ISO/IEC 11801

**National** ANSI/TIA-568-C.2



Conductor flexibility  
**Solid**



Lead free



Rated Voltage Uo/U (Um)



Flame retardant  
IEC 60332-1



Max.conductor temp.in service  
- °C



RoHS compliant  
**Yes**

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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## CHARACTERISTICS

### Construction characteristics

|                        |                          |
|------------------------|--------------------------|
| Conductor flexibility  | Solid                    |
| Conductor material     | 23 AWG Solid Bare Copper |
| Conductor shape        | Circular                 |
| Conduit colour         | Blue                     |
| Core identification    |                          |
| Insulation             |                          |
| Lead free              |                          |
| Type of conductor      |                          |
| With Green/Yellow core | Yes                      |

### Dimensional characteristics

|                         |                   |
|-------------------------|-------------------|
| Approximate weight      | - kg/100m         |
| Conductor diameter      | - mm              |
| Approximate weight      | - kg/km           |
| Conductor cross-section | - mm <sup>2</sup> |
| Conduit diameter        | 20 mm             |
| Nominal outer diameter  | - mm              |
| Number of cores         | -                 |

### Electrical characteristics

|   |
|---|
| Rated Voltage U <sub>o</sub> /U (U <sub>m</sub> ) |
|---|

### Mechanical characteristics

|   |        |
|---|--------|
| Conduit cold impact (IEC-EN 61386-1)    | -25 °C |
| Conduit compression resistance (ICTA-3) | 750 N  |

### Usage characteristics

|  |             |
|--|-------------|
| Conduit fire resistance (IEC-EN 61386-1) | Yes         |
| Flame retardant                          | IEC 60332-1 |
| Length                                   | 50 m        |
| Max. conductor temperature in service    | - °C        |
| RoHS compliant                           | Yes         |