

## Voice Cables

Voice U/UTP 25 pair AWG24 Cat 5 PVC Grey 1000m reel

Nexans ref.: N100.M01

- 25pr
- Category 5
- Suitable for voice and low grade data applications
- Grey PVC sheath

### Description

Voice grade cables are used to integrate telephony applications in the backbone of a LAN infrastructure. They are multipair twisted pair cables and exist in Category 3 and Category 5 performance levels.



### Standards

International ISO/IEC 11801



Operating temp.  
range  
-20 .. 60 °C



static bending rad.  
50 mm



Min. dynamic operating  
bending rad.  
100.0 mm



Ambient installation T°C  
range  
0 .. 50 °C



RoHS conform  
Yes



Flame retardant  
IEC 60332-1

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### Characteristics

| Construction characteristics             |               |
|--|---------------|
| Sheath colour                            | Grey          |
| Outer sheath                             | PVC           |
| Screen                                   | No            |
| Drain wire                               | No            |
| Type of cable                            | U/UTP         |
| Dimensional characteristics              |               |
| Nominal outer diameter                   | 12.5 mm       |
| Number of pairs                          | 25            |
| Approximate weight                       | 190 kg/km     |
| Conductor cross-section (AWG)            | 24            |
| Electrical characteristics               |               |
| Mutual capacitance                       | 50 nF/km      |
| Characteristic impedance                 | 100 Ohm       |
| Transmission characteristics             |               |
| Attenuation at 16 Mhz                    | 8.2 dB/km     |
| Attenuation, max. 100 MHz                | 22.00 dB/100m |
| Usage characteristics                    |               |
| Operating temperature, range             | -20 .. 60 °C  |
| Minimum static operating bending radius  | 50 mm         |
| Minimum dynamic operating bending radius | 100.0 mm      |
| Ambient installation temperature, range  | 0 .. 50 °C    |
| Category                                 | Cat. 5        |
| RoHS conform                             | Yes           |
| Flame retardant                          | IEC 60332-1   |