

# VMOHBU-TL

VMOHBU-TL 100x2x0,5

## Contact

Telecom and Data cables  
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Nexans ref.: 38607798

Country ref.: 0235807

Petroleum jelly filled, screened telecommunication cable intended for installation outdoors in ground or ducts.

## DESCRIPTION

### Design

Pair-twisted, petroleum-jelly filled, screened and PE-sheathed telecommunication cable. The cable is designed in accordance with the Finnish Standard SFS 5012. The a-wire of the pair has a stripe of same colour as the b-wire, which simplifies the identification when terminating the cable. VMOHBU-TL is used for telephony and digital communication (xDSL) in the access network. The sheath is marked with e.g. "VMOHBU-TL 10x2x0.5 NEXANS GS" year month + metre marking

### Quality system

Design, manufacture and testing according to the requirements in ISO 9001.

### Environmental management system

The activities at our plant in Grimsås are certified to ISO 14001.



# Lifemark™

## STANDARDS

National SFS 5012



Halogen free  
Yes



Ambient installation T°C range  
-20 .. 40 °C



Operating temp.  
-40 .. 70 °C

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## CHARACTERISTICS

### Construction characteristics

Conductor shape	Single wired
Conductor material	Annealed copper
Insulation	Foam-skin polyethylene
Twisted	Yes
Material used for longitudinal water tightness	Vaseline
Screen	Longitudinal aluminium tape + copper wire
Outer sheath	PE LLD
Colour	Black
Halogen free	Yes

### Dimensional characteristics

Conductor diameter	0.5 mm
Nominal outer diameter	25.5 mm
Number of pairs	100
Approximate weight	77.5 kg/100m
Average sheath thickness	1.8 mm

### Electrical characteristics

Max. DC resistance of the conductor at 20°C	96 Ohm/km
Resistance unbalance DC max % of loop resistance	2 %
Max. capacity pair / core to core	45 nF/km
Capacitance unbalance max.	150 pF/500m
Ohmical resistance of the insulation	2000 MOhm.km
Maximum operating voltage	100 V

### Transmission characteristics

Attenuation, nom. 800 Hz	1.2 dB/km
Attenuation, nom. 1 MHz	16 dB/km

### Usage characteristics

Length	1000 m
Ambient installation temperature, range	-20 .. 40 °C
Operating temperature, range	-40 .. 70 °C
Packaging	K16

## SELLING INFORMATION

VMOHBU-TL will be delivered in lengths of 1000 m. The drum is marked with manufacturer, type of cable and length. The ends of the cable are sealed.