

Unitube Dielectric Armoured Cable

- Suitable for Outdoor direct burial
- Full dielectric armour
- Rodent resistant
- Up to 24 fibres
- HDPE outer jacket

Description

Application

Nexans UD loose tube fibre cables have been designed for applications where a high level of installation, environmental and optical features are required.

The construction is suitable for use outdoor in ducts and for direct burial. It is a full dielectric armouring design providing rodent resistance. The dielectric armouring consists of half FRP elements and half fillers. The tube is gel filled and has a capacity of up to 24 fibres. The cable has a HDPE outer jacket.

Applications support :

- FDDI 100 Mbps
- Ethernet 10 base FL
- Fast Ethernet 100 base FX
- Gbit Ethernet 1000 base SX/LX
- 10Gbit Ethernet 10000 base SX(*)
- Fibre Channel 1.0625 Gbps
- ATM 155 Mbps
- ATM 622 Mbps

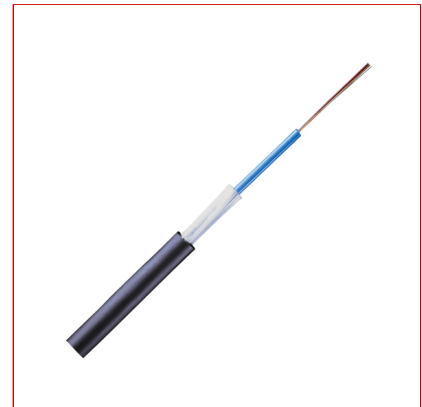
Performance

Nexans loose tube fibre cables are available with a choice of fibres which include laser optimised solutions. These allow Gigabit applications to run over extended distances saving considerable expense on active equipment.

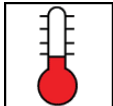

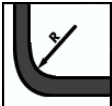
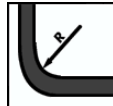
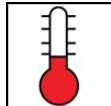

Construction

Legend accompanying the cross section drawing:

1. Gel filled tube containing up to 24 individually coloured fibres
2. Dielectric FRP armour :
from 2 up to 12 fibres : 4 x FRP and 5 fillers
from 14 up to 24 fibres : 5 x FRP and 5 fillers
3. PE outer sheath

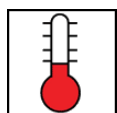


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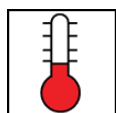
					
Température de stockage, plage -40 .. 70 °C	Température ambiante d'utilisation, plage -30 .. 60 °C	Rayon courbure min. utilisation statique 180,0 mm	Rayon courbure min. utilisation dynamique 225,0 mm	Ambient install temp, range (°C) 0 .. 40 °C	Non propagateur de la flamme IEC 60332-1

Contact

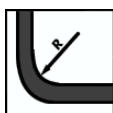
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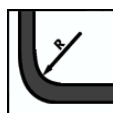
Température de
stockage, plage
-40 .. 70 °C



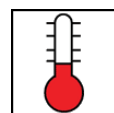
Température ambiante
d'utilisation, plage
-30 .. 60 °C



Rayon courbure min.
utilisation statique
180,0 mm



Rayon courbure min.
utilisation dynamique
225,0 mm



Ambient install temp,
range (°C)
0 .. 40 °C



Non propagateur de
la flamme
IEC 60332-1

Câble GIGALite 3 UD 24xMM50

Référence Nexans: N165.691

Caractéristiques

Caractéristiques de construction

Gaine extérieure	PE haute densité
Armure	Diélectrique FRP
Type de fibres optiques	OM3 50/125
Protection	Water swellable yarns
Matière du bourrage	Gel
Type de câble	Unitube Dielectric Armoured (UD)

Caractéristiques dimensionnelles

Nombre de fibres optiques	24
Nombre de tubes	1
Diamètre externe nominal (mm)	9,1 mm
Masse approximative	73 kg/km

Caractéristiques de transmission

Affaiblissement nominal à 1300 nm	0,5 dB/km
Affaiblissement maximal à 1300 nm	1,0 dB/km
Affaiblissement nominal à 850 nm	2,5 dB/km
Affaiblissement maximal à 850 nm	3,0 dB/km

Caractéristiques mécaniques

Résistance à l'écrasement (IEC 794-1-E3)	400 N/cm
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Caractéristiques d'utilisation

Type d'installation	Enterré directement
Protection Anti-Rongeurs	Moyenne
Température de stockage, plage	-40 .. 70 °C
Température ambiante d'utilisation, plage	-30 .. 60 °C
Rayon de courbure minimum en utilisation statique	180,0 mm
Rayon de courbure minimum en utilisation dynamique	225,0 mm
Température ambiante lors de l'installation, plage	0 .. 40 °C
Non propageur de la flamme	IEC 60332-1