

UC optical fibre cables

- Outdoor in ducts or direct burial
- Corrugated steel tape armour
- Gel filled tube
- Standard or laser optimised fibres for extended distances
- Provides full rodent protection

Description

Application

Nexans UC 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 consists of a corrugated steel tape armouring providing full rodent protection. The tube is gel filled and has a capacity of up to 24 fibres. It is surrounded by glass yarns. 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.

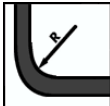
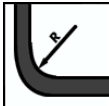
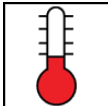
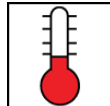
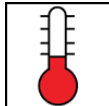
Construction

Legend accompanying the cross section drawing:

1. Gel filled tube containing up to 24 individually coloured fibres
2. Glass yarns reinforcement
3. Corrugated steel tape armour
4. PE outer sheath

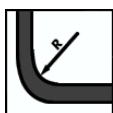


LANmark-OF

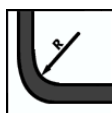
				
Laying operation bending rad. 170.0 mm	Min. static operating bending rad. 120.0 mm	Ambient installation temperature, range 0 .. 40 °C	Operating temperature, range -20 .. 60 °C	Storage temperature, range -30 .. 60 °C

Contact

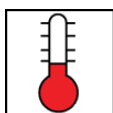
Structured Cabling
20 Harbour Drive
#07-03 PSA Vista
117612
Singapore
Phone: +65 63170 101
Fax: +65 63170 103/04
ron.lim@nexans.com, johnny.
low@nexans.com



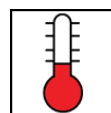
Laying operation bending
rad.
170.0 mm



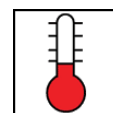
Min. static operating bending
rad.
120.0 mm



Ambient installation temperature,
range
0 .. 40 °C



Operating temperature,
range
-20 .. 60 °C



Storage temperature,
range
-30 .. 60 °C

Characteristics

Construction characteristics	
Type of cable	Unitube Metallic Armoured (UC)
Armour type	Corrugated steel
Protection	Glass yarns
Outer sheath	HDPE
Dimensional characteristics	
Approximate weight	75 kg/km
Nominal outer diameter	8.5 mm
Mechanical characteristics	
Crush resistance (IEC 794-1-E3)	300 N/cm
Usage characteristics	
Installation type	Outdoor - Direct burial
Rodent protection	High
Laying operation bending radius	170.0 mm
Minimum static operating bending radius	120.0 mm
Ambient installation temperature, range	0 .. 40 °C
Operating temperature, range	-20 .. 60 °C
Storage temperature, range	-30 .. 60 °C

Product List

Nexans ref.	Name	Flame retardant	Number of optical fibres	Material of filler / inner sheath	Fiber optic type
N160.185	LANmark-OF1 UC 12*MM62.5	No	12	Gel	OM1 62.5/125
N160.180	LANmark-OF1 UC 2*MM62.5	No	2	Gel	OM1 62.5/125
N160.191	LANmark-OF1 UC 24*MM62.5	No	24	Gel	OM1 62.5/125
N160.181	LANmark-OF1 UC 4*MM62.5	No	4	Gel	OM1 62.5/125
N160.182	LANmark-OF1 UC 6*MM62.5	No	6	Gel	OM1 62.5/125
N160.183	LANmark-OF1 UC 8*MM62.5	No	8	Gel	OM1 62.5/125
N161.185	LANmark-OF1xt UC 12*MM62.5	No	12	Gel	OM1 62.5/125 Extended Distance
N161.180	LANmark-OF1xt UC 2*MM62.5	No	2	Gel	OM1 62.5/125 Extended Distance
N161.191	LANmark-OF1xt UC 24*MM62.5	No	24	Gel	OM1 62.5/125 Extended Distance
N161.181	LANmark-OF1xt UC 4*MM62.5	No	4	Gel	OM1 62.5/125 Extended Distance
N161.182	LANmark-OF1xt UC 6*MM62.5	No	6	Gel	OM1 62.5/125 Extended Distance
N161.183	LANmark-OF1xt UC 8*MM62.5	No	8	Gel	OM1 62.5/125 Extended Distance

Cables - LANmark-OF UC

Nexans ref.	Name	Flame retardant	Number of optical fibres	Material of filler / inner sheath	Fiber optic type
N162.185	LANmark-OF2 UC 12*MM50	No	12	Gel	OM2 50/125
N162.180	LANmark-OF2 UC 2*MM50	No	2	Gel	OM2 50/125
N162.191	LANmark-OF2 UC 24*MM50	No	24	Gel	OM2 50/125
N162.181	LANmark-OF2 UC 4*MM50	No	4	Gel	OM2 50/125
N162.182	LANmark-OF2 UC 6*MM50	No	6	Gel	OM2 50/125
N162.183	LANmark-OF2 UC 8*MM50	No	8	Gel	OM2 50/125
N163.185	LANmark-OF2xt UC 12*MM50	No	12	Gel	OM2 50/125 Extended Distance
N163.180	LANmark-OF2xt UC 2*MM50	No	2	Gel	OM2 50/125 Extended Distance
N163.191	LANmark-OF2xt UC 24*MM50	No	24	Gel	OM2 50/125 Extended Distance
N163.181	LANmark-OF2xt UC 4*MM50	No	4	Gel	OM2 50/125 Extended Distance
N163.182	LANmark-OF2xt UC 6*MM50	No	6	Gel	OM2 50/125 Extended Distance
N163.183	LANmark-OF2xt UC 8*MM50	No	8	Gel	OM2 50/125 Extended Distance
N165.185	LANmark-OF3 UC 12*MM50	No	12	Gel	OM3 50/125
N165.180	LANmark-OF3 UC 2*MM50	No	2	Gel	OM3 50/125
N165.191	LANmark-OF3 UC 24*MM50	No	24	Gel	OM3 50/125
N165.181	LANmark-OF3 UC 4*MM50	No	4	Gel	OM3 50/125
N165.182	LANmark-OF3 UC 6*MM50	No	6	Gel	OM3 50/125
N165.183	LANmark-OF3 UC 8*MM50	No	8	Gel	OM3 50/125
N166.185	LANmark-OF3xt UC 12*MM50	No	12	Gel	OM3 50/125 extended distance
N166.180	LANmark-OF3xt UC 2*MM50	No	2	Gel	OM3 50/125 extended distance
N166.191	LANmark-OF3xt UC 24*MM50	No	24	Gel	OM3 50/125 extended distance
N166.181	LANmark-OF3xt UC 4*MM50	No	4	Gel	OM3 50/125 extended distance
N166.182	LANmark-OF3xt UC 6*MM50	No	6	Gel	OM3 50/125 extended distance
N166.183	LANmark-OF3xt UC 8*MM50	No	8	Gel	OM3 50/125 extended distance

Cables - LANmark-OF UC

Nexans ref.	Name	Flame retardant	Number of optical fibres	Material of filler / inner sheath	Fiber optic type
N164.185	LANmark-OFsm UC 12*SM	No	12	Gel	SingleMode 9/125
N164.180	LANmark-OFsm UC 2*SM	No	2	Gel	SingleMode 9/125
N164.191	LANmark-OFsm UC 24*SM	No	24	Gel	SingleMode 9/125
N164.181	LANmark-OFsm UC 4*SM	No	4	Gel	SingleMode 9/125
N164.182	LANmark-OFsm UC 6*SM	No	6	Gel	SingleMode 9/125
N164.183	LANmark-OFsm UC 8*SM	No	8	Gel	SingleMode 9/125