

## LANmark-OF UC LSZH

UC optical fibre cables

- Indoor/Outdoor cable
- Corrugated steel tape armour
- Gel filled tube
- All fibre grades
- Provides full rodent protection
- Low Smoke Zero Halogene (LSZH)

### Description

#### Description and Application

The construction is suitable for indoor/outdoor use. It consists of a corrugated steel tape armouring providing full rodent protection. It is surrounded by glass yarns. The cable has a LSZH outer jacket.

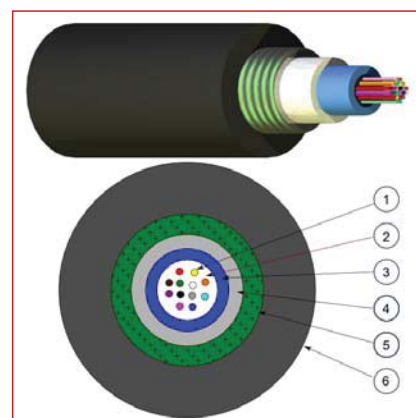
The loose tube design has a capacity of up to 24 fibres. Diameter of the fibres is 250  $\mu$ m. Termination of these fibres is done with splicing of pigtails.

The cable is watertight due to the gel in the loose tube and the watertight glass yarns.

#### Construction

Legend accompanying the cross section drawing:

1. Optical fibres (250  $\mu$ m)
2. Gel
3. Loose tube
4. Reinforced watertight glass yarns
5. Corrugated steel tape armour
6. LSZH outer jacket with UV resistant additive



**LANmark-OF**

#### Standards

International ISO/IEC 11801

#### Characteristics

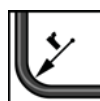
- Indoor/Outdoor cable
- Flame and fire non propagation
- Designed for termination by splicing
- Central loose tube design
- Corrugated steel protection
- Waterproof structure, rodent resistant and UV-resistant
- Available in all fibre grades
- Available from 4-24 fibres



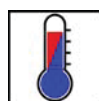
Mechanical  
resistance to  
impacts  
100 impacts of  
3 N.m



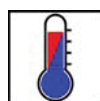
Minimum dynamic  
operating bending  
radius  
210.0 mm



Minimum static  
operating  
bending radius  
150 mm



Ambient  
installation  
temperature,  
range  
0 .. 40 °C



Operating  
temperature,  
range  
-20 .. 60 °C



Storage  
temperature,  
range  
-30 .. 60 °C



Fire  
retardant  
IEC  
60332-3



Flame  
retardant  
IEC  
60332-1

## LANmark-OF UC PE

### Characteristics

<b>Dimensional characteristics</b>	
Nominal outer diameter	9.5 mm
Approximate weight	100 kg/km
<b>Mechanical characteristics</b>	
Mechanical resistance to impacts	100 impacts of 3 N.m
Maximum pulling force (IEC 60794-1-2-E1)	1500 N
Maximum operating pulling force	450 N
Crush resistance (IEC 60794-1-E3)	300 N/cm
<b>Usage characteristics</b>	
Minimum dynamic operating bending radius	200.0 mm
Minimum static operating bending radius	140 mm
Operating temperature, range	-20 .. 60 °C
Storage temperature, range	-30 .. 60 °C
Ambient installation temperature, range	0 .. 40 °C

### N-numbers for LANmark-OF UC PE

Fiber optic type	Nexans ref.	Name
OM1 62.5/125	N160.181	LANmark-OF UC 4x Multimode 62,5/125 OM1 PE Black
OM1 62.5/125	N160.182	LANmark-OF UC 6x Multimode 62,5/125 OM1 PE Black
OM1 62.5/125	N160.183	LANmark-OF UC 8x Multimode 62,5/125 OM1 PE Black
OM1 62.5/125	N160.185	LANmark-OF UC 12x Multimode 62,5/125 OM1 PE Black
OM1 62.5/125	N160.191	LANmark-OF UC 24x Multimode 62,5/125 OM1 PE Black
OM2 50/125	N162.181	LANmark-OF UC 4x Multimode 50/125 OM2 PE Black
OM2 50/125	N162.182	LANmark-OF UC 6x Multimode 50/125 OM2 PE Black
OM2 50/125	N162.183	LANmark-OF UC 8x Multimode 50/125 OM2 PE Black
OM2 50/125	N162.185	LANmark-OF UC 12x Multimode 50/125 OM2 PE Black
OM2 50/125	N162.191	LANmark-OF UC 24x Multimode 50/125 OM2 PE Black
OM3 50/125	N165.181	LANmark-OF UC 4x Multimode 50/125 OM3 PE Black
OM3 50/125	N165.182	LANmark-OF UC 6x Multimode 50/125 OM3 PE Black
OM3 50/125	N165.183	LANmark-OF UC 8x Multimode 50/125 OM3 PE Black
OM3 50/125	N165.185	LANmark-OF UC 12x Multimode 50/125 OM3 PE Black
OM3 50/125	N165.191	LANmark-OF UC 24x Multimode 50/125 OM3 PE Black
OM4 50/125	N167.181	LANmark-OF UC 4x Multimode 50/125 OM4 PE Black
OM4 50/125	N167.182	LANmark-OF UC 6x Multimode 50/125 OM4 PE Black
OM4 50/125	N167.183	LANmark-OF UC 8x Multimode 50/125 OM4 PE Black
OM4 50/125	N167.185	LANmark-OF UC 12x Multimode 50/125 OM4 PE Black
OM4 50/125	N167.191	LANmark-OF UC 24x Multimode 50/125 OM4 PE Black
SM (G.652D)	N164.181	LANmark-OF UC 4x Singlemode 9/125 OS2 PE Black
SM (G.652D)	N164.182	LANmark-OF UC 6x Singlemode 9/125 OS2 PE Black
SM (G.652D)	N164.183	LANmark-OF UC 8x Singlemode 9/125 OS2 PE Black
SM (G.652D)	N164.185	LANmark-OF UC 12x Singlemode 9/125 OS2 PE Black
SM (G.652D)	N164.191	LANmark-OF UC 24x Singlemode 9/125 OS2 PE Black

## LANmark-OF UC PE

UC optical fibre cables

- Outdoor in ducts or direct burial
- Corrugated steel tape armour
- Available in all fibres grades
- Provides full rodent protection

### Description

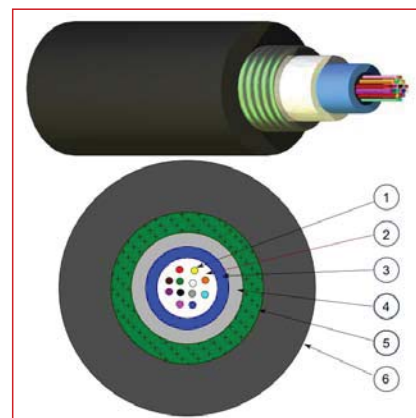
#### Description and Application

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. It is surrounded by glass yarns. The cable has a HDPE outer jacket. The loose tube design has a capacity of up to 24 fibres. Diameter of the fibres is 250  $\mu$ m. Termination of these fibres is done with splicing of pigtailed. The cable is watertight due to the gel in the loose tube and the watertight glass yarns.

#### Construction

Legend accompanying the cross section drawing:

1. Optical fibres (250  $\mu$ m)
2. Gel
3. Loose tube
4. Reinforced watertight glass yarns
5. Corrugated steel tape armour
6. PE outer jacket with UV resistant additive



**LANmark-OF**

### Standards

International ISO/IEC 11801

#### Characteristics

- Outdoor cable for installation in a duct or direct burial
- Designed for termination by splicing
- Central loose tube design
- Corrugated steel protection
- Waterproof structure, rodent resistant and UV-resistant
- Available in all fibre grades
- Available from 4-24 fibres



Mechanical  
resistance to  
impacts  
100 impacts of 3  
Nm



Minimum dynamic  
operating bending radius  
200.0 mm



Minimum static  
operating bending  
radius  
140 mm



Operating  
temperature, range  
-20 .. 60 °C



Storage  
temperature, range  
-30 .. 60 °C



Ambient installation  
temperature, range  
0 .. 40 °C