

# LANmark-OF UC PE (Unitube Steel Armoring - Outdoor)

LANmark-OF UC 6x Singlemode 9/125 OS2 PE Black

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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  $\mu\text{m}$ . 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.

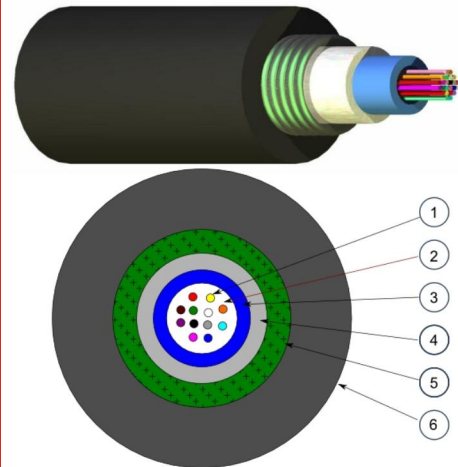
### Construction

Legend accompanying the cross section drawing:

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

### 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



**LANmark-OF**

## DECLARATION OF PERFORMANCE

F<sub>ca</sub>

## STANDARDS

International ISO/IEC 11801



Mechanical resistance to impacts  
3 impacts of 5 N.m



Static bending rad.  
130 mm



Min. dynamic operating bending rad.  
180.0 mm



Ambient installation T°C range  
0 - 40 °C



Operating temp. range  
-40 - 70 °C



Storage temperature, range  
-40 - 70 °C

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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## CHARACTERISTICS

### Construction characteristics

Fiber optic type SM (G657.A1)

### Dimensional characteristics

Number of optical fibres 6

Nominal outer diameter 8.5 mm

Approximate weight 85 kg/km

### Mechanical characteristics

Maximum pulling force (IEC 60794-1-2-E1) 1500 N

Maximum operating pulling force 450 N

Mechanical resistance to impacts 3 impacts of 5 N.m

Crush resistance (IEC 60794-1-E3) 300 N/cm

### Usage characteristics

Minimum static operating bending radius 130 mm

Minimum dynamic operating bending radius 180.0 mm

Ambient installation temperature, range 0 - 40 °C

Operating temperature, range -40 - 70 °C

Storage temperature, range -40 - 70 °C