

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

UC optical fibre cables

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

## 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 pigtailed.

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

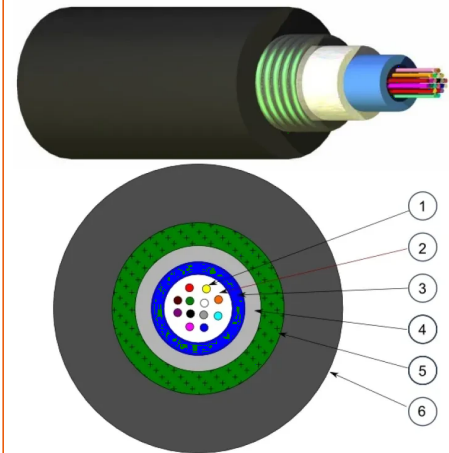
## Construction

Legend accompanying the cross section drawing:

1. Optical fibres (250  $\mu\text{m}$ )
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



## STANDARDS

ISO/IEC 11801

- Available from 4-24 fibres

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

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## CHARACTERISTICS

### Construction characteristics

Fiber optic type	OM3 50/125
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### Dimensional characteristics

Approximate weight	85 kg/km
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Number of optical fibres	12
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Nominal outer diameter (mm)	8.5 mm
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### Mechanical characteristics

Mechanical resistance to impacts	3 impacts of 5 N.m
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Maximum operating pulling force	450 N
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Maximum pulling force (IEC 60794-1-2-E1)	1500 N
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Crush resistance (IEC 60794-1-E3)	300 N/cm
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### Usage characteristics

Operating temperature, range	-40...70 °C
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Minimum dynamic operating bending radius	180.0 mm
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Minimum static operating bending radius	130 mm
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Storage temperature, range	-40...70 °C
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Ambient installation temperature, range	0...40 °C
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## Product list

Aginode ref.	Country ref.	名前	Fiber optic type	Number of optical fibres
 N165.UCPE12B	-	LANmark-OF UC 12x Multimode 50/125 OM3 PE Black	OM3 50/125	12
 N165.UCPE24B	-	LANmark-OF UC 24x Multimode 50/125 OM3 PE Black	OM3 50/125	24
 N167.UCPE12B	-	LANmark-OF UC 12x Multimode 50/125 OM4 PE Black	OM4 50/125	12
 N167.UCPE24B	-	LANmark-OF UC 24x Multimode 50/125 OM4 PE Black	OM4 50/125	24
 N167.UCPE06B	-	LANmark-OF UC 6x Multimode 50/125 OM4 PE Black	OM4 50/125	6

 = Make to order,  = In Stock

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