

# LANmark-OF UC Outdoor PE 48-96core APAC Region

LANMARK-OF UC OUTDOOR HDPE 48 CORE OM4 50/125

**Aginode Ref:** N177.203

Suitable for in ducts or direct burial

- Corrugated steel tape armour
- Gel filled tube
- Available to multimode and singlemode fibre
- Provides rodent protection
- Outer Jacket is HDPE

## Description and Application

Aginode LANmark-OF UC fibre cable is designed for outdoor applications. The construction is suitable for use outdoor for direct burial. It consists of a central strength member surrounded by multiple loose tubes. A corrugated steel tape armour protects the sub-tubes. Each loose tube can hold up to 12C fibres and the structure can hold up to 12 sub-tubes. This provides rodent protection and high crush resistance. The cable has a HDPE outer jacket.

## Construction

Legend accompanying the cross section drawing:

1. Optical fibres (250 um)
2. Waterproof gel filling
3. Loose tube
4. Glass Yarn
5. Central Strength Member
6. Corrugated steel tape armour
7. HDPE outer jacket with UV resistant additive

## Characteristics

- Designed for termination by splicing
- Central loose tube design
- Corrugated steel protection
- Waterproof structure and UV-resistant
- Available in Multimode and Singlemode fibre
- Available from 48/72/96 fibres



## STANDARDS

ANSI/TIA-568-C.3  
IEC 60793-2-10  
ISO/IEC 11801

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## Characteristics

### Construction characteristics

Fiber optic type	OM4 50/125
Armour type	Galvanized steel tapes
Outer sheath	HDPE
Sheath colour	Black

### Dimensional characteristics

Outer Diameter	10.8 mm
Number of optical fibres	48

### Mechanical characteristics

Mechanical resistance to impacts (IEC 60794-1-E4)	100 impacts of 3N.m
Maximum pulling force (IEC 60794-1-2-E1)	1500 N
Crush resistance (IEC 60794-1-E3)	300 N/cm

### Usage characteristics

Operating temperature, range	-40...70 °C
Minimum dynamic operating bending radius	216.0 mm
Minimum static operating bending radius	108 mm
Storage temperature, range	-40...70 °C
Ambient installation temperature, range	0...40 °C