

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

LANMARK-OF UC OUTDOOR HDPE 48 CORE OM3 50/125

**Aginode Ref:** N175.203

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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# LANmark-OF UC Outdoor HDPE 48 core OM3 50/125

## Eigenschaften

### Konstruktionsmerkmale

Fasertyp	OM3 50/125
Armierung	verzinkte Stahlbaender
Außenmantel	PE HD
Mantelfarbe	Schwarz

### Abmessungsmerkmale

Aussendurchmesser	10.8 mm
Anzahl der optischen Fasern	48

### Mechanische Eigenschaften

Mechanical resistance to impacts (IEC 60794-1-E4)	100 impacts of 3N.m
Max. Zugkraft (IEC 60794-1-2-E1)	1500 N
Querdruckwiderstand (IEC 794-1-E3)	300 N/cm

### Anwendungsmerkmale

Betriebstemperatur	-40...70 °C
Dynamischer Mindestbiegeradius während Anwendung	216.0 mm
Mindestbiegeradius bei statischem Einsatz	108 mm
Lagertemperatur, Bereich	-40...70 °C
Umgebungstemperatur bei Verlegung, Bereich	0...40 °C