

LANmark-OF UC Outdoor LSZH 48-96core APAC Region

LANMARK-OF UC LSZH 96CORE SM G.652.D BLACK

Aginode Ref: N174.517

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 Low Smoke Zero Halogene (LSZH)

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 tubes, a corrugated steel tape armour provides mechanical protection, each loose tube can hold up to 12C fibres, the UC can hold up to 12 sub-tubes based on fibre cores. This provides rodent protection and high crush resistance. The cable has a LSZH outer jacket.

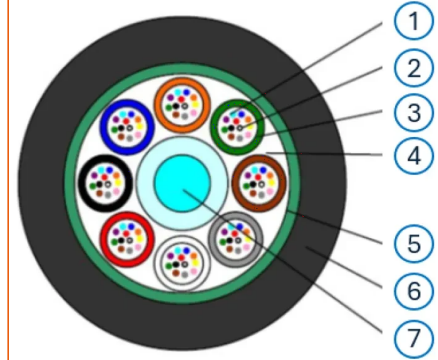
Construction

Legend accompanying the cross section drawing:

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

Characteristics

- Flame retardant (IEC 60332-1) and fire retardant (IEC 60332-3-24)
- Designed for termination by splicing
- Multiple Loose tube design
- Corrugated steel protection
- Waterproof structure and UV-resistant
- Available in Multimode and Singlemode fibre



STANDARDS

ANSI/TIA-568-C.3
IEC 60332-1
IEC 60332-3 Cat.C
IEC 60793-2-10
ISO/IEC 11801

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 | SM (G.652D) |
| Armour type | Galvanized steel tapes |
| Outer sheath | LSZH |
| Sheath colour | Black |

Dimensional characteristics

| | |
|--------------------------|---------|
| Outer Diameter | 13.2 mm |
| Number of optical fibres | 96 |

Mechanical characteristics

| | |
|---|---------------------|
| Mechanical resistance to impacts (IEC 60794-1-E4) | 100 impacts of 3N.m |
| Crush resistance (IEC 60794-1-E3) | 3000 N/100mm |
| Maximum pulling force (IEC 60794-1-2-E1) | 3000 N |

Usage characteristics

| | |
|--|-------------|
| Operating temperature, range | -40...70 °C |
| Minimum dynamic operating bending radius | 264.0 mm |
| Minimum static operating bending radius | 132 mm |
| Storage temperature, range | -40...70 °C |
| Ambient installation temperature, range | 0...40 °C |