

LANmark-OF UCUN (Unitube Steel Armoring - Universal) Eca

LANmark-OF UC Universal 12x Singlemode 9/125 OS2 LSZH Eca Black

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Ref. Nexans: N164.UCUN12B

UC optical fibre cables

- Indoor/Outdoor cable
- Corrugated steel tape armour
- Gel filled tube
- All fibre grades
- Provides full rodent protection
- Low Smoke Zero Halogene (LSZH)

DESCRIPCIÓN

Description and Application

The construction is suitable for indoor/outdoor use. It consists of a corrugated steel tape armouring providing full rodent protection. It is surrounded by glass yarns. The cable has a LSZH outer jacket.

The loose tube design has a capacity of up to 24 fibres. Diameter of the fibres is 250 um. 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.

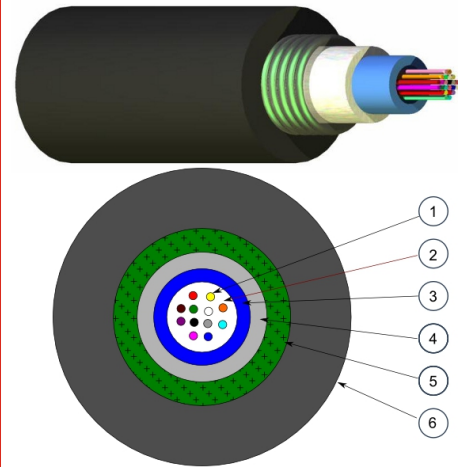
Construction

Legend accompanying the cross section drawing:

1. Optical fibres (250 um)
2. Gel
3. Loose tube
4. Reinforced watertight glass yarns
5. Corrugated steel tape armour
6. LSZH outer jacket with UV resistant additive

Characteristics

- Indoor/Outdoor cable
- Flame retardant (IEC 60332-1 and NFC 32070 C2) and fire retardant (IEC 60332-3 and NFC 32070 C1)
- 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

NORMA

Internacional ISO/IEC 11801



Resistencia mecánica a impactos
3 impacts of 5 N.m



No propagación de la llama
IEC 60332-1



No propagador del incendio
IEC 60332-3



Radio de curvatura mínimo en operación estática
130 mm



Min. dynamic operating bending rad.
170,0 mm



Ambient installation T°C range
0 .. 40 °C



Operating temp.
-40 .. 60 °C



Storage temperature, range
-40 .. 60 °C

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CARACTERÍSTICAS

Características de construcción

| | |
|----------------------|--------------|
| Tipo de Fibra Óptica | SM (G657.A1) |
|----------------------|--------------|

Características dimensionales

| | |
|---------------------------|-----------|
| Numero de Fibras Optica | 12 |
| Diámetro exterior nominal | 8,5 mm |
| Peso aproximado | 104 kg/km |

Características mecánicas

| | |
|--|--------------------|
| Maximum pulling force (IEC 60794-1-2-E1) | 1500 N |
| Maximum operating pulling force | 450 N |
| Resistencia mecánica a impactos | 3 impacts of 5 N.m |
| Resistencia al aplastamiento | 300 N/cm |

Características de uso

| | |
|---|--------------|
| No propagación de la llama | IEC 60332-1 |
| No propagador del incendio | IEC 60332-3 |
| Radio de curvatura mínimo en operación estática | 130 mm |
| Radio de curvatura mínimo en operación dinámica | 170,0 mm |
| Temperatura ambiente de instalación (rango) | 0 .. 40 °C |
| Temperatura ambiente de utilización (rango) | -40 .. 60 °C |
| Storage temperature, range | -40 .. 60 °C |