

LANmark-OF UC LSZH
LANmark-OF UC 24x Singlemode 9/125 OS2 LSZH Black
 Nexans ref.: N164.481

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)

Description

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.

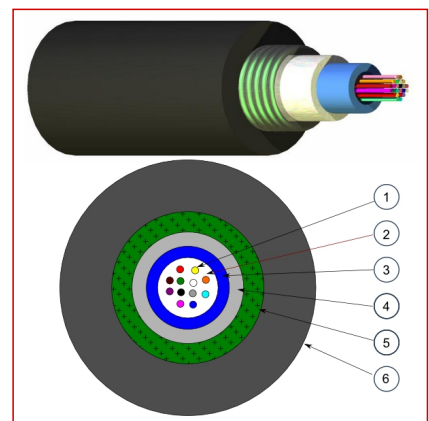
The loose tube design has a capacity of up to 24 fibres. Diameter of the fibres is 250 μ m. Termination of these fibres is done with splicing of pigtailed.

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 μ m)
2. Gel
3. Loose tube
4. Reinforced watertight glass yarns
5. Corrugated steel tape armour
6. LSZH outer jacket with UV resistant additive











Standards
 International ISO/IEC 11801

Characteristics

Mechanical resistance to impacts 100 impacts of 3 N.m	Min. dynamic operating bending rad. 210.0 mm	static bending rad. 150 mm	Storage temperature range -30 .. 60 °C	Operating temp. range -20 .. 60 °C	Ambient installation T°C range 0 .. 40 °C	Flame retardant IEC 60332-1	Fire retardant IEC 60332-3

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- 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

							
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Characteristics

Construction characteristics	
Fiber optic type	SM (G.652D)
Dimensional characteristics	
Number of optical fibres	24
Nominal outer diameter	9.5 mm
Approximate weight	129 kg/km
Mechanical characteristics	
Maximum pulling force (IEC 60794-1-2-E1)	1500 N
Maximum operating pulling force	450 N
Mechanical resistance to impacts	100 impacts of 3 N.m
Crush resistance (IEC 60794-1-E3)	300 N/cm
Usage characteristics	
Minimum dynamic operating bending radius	210.0 mm
Minimum static operating bending radius	150 mm
Storage temperature, range	-30 .. 60 °C
Operating temperature, range	-20 .. 60 °C
Ambient installation temperature, range	0 .. 40 °C
Flame retardant	IEC 60332-1
Fire retardant	IEC 60332-3