

Cables - LANmark-OF ZC LSZH

ZipCord optical fibre cables

- Designed for direct termination on ST, SC or LC connectors
- Suitable for indoor use in horizontal cabling and risers
- Suitable for use in patch assembly
- Available in all fibre grades

Description

Application

LANmark-OF ZC optical fibre cables have been designed for applications where a high level of installation, environmental and optical performance is required. The ZipCord range is most suitable for direct termination in patch assembly and in risers and horizontal cabling.

The majority of the tight buffered cables are suitable for both internal & external environments and are all dielectric with excellent flame retardance

Applications support :

- FDDI 100 Mbps
- Ethernet 10 base FL
- Fast Ethernet 100 base FX
- Gbit Ethernet 1000 base SX/LX
- 10Gbit Ethernet 10000 base SX(*)
- Fibre Channel 1.0625 Gbps
- ATM 155 Mbps
- ATM 622 Mbps

(*) in accordance with IEEE 802.3ae

Performance

LANmark-OF Tight Buffered optical fibre cables are available with standard multimode & singlemode fibres whilst the LANmark-OFxt ranges are supplied with Laser Optimised multimode fibres offering extended application distances for Gigabit Ethernet.

Construction

Legend accompanying the cross section drawing:

1. 900 µm tight buffered fibre
2. Aramid yarns reinforcement
3. Flame retardant halogen free outer sheath



LANmark-OF

Standards

International ISO/IEC 11801



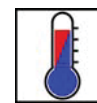
Flame retardant
IEC 60332 Part 3 Cat. C



Ambient installation temperature,
range
0 .. 40 °C



Operating temperature, range
-10 .. 70 °C



Storage temperature, range
-30 .. 70 °C

LANmark-OF UC LSZH

Characteristics

Dimensional characteristics	
Approximate weight	129 kg/km
Nominal outer diameter	9.5 mm
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
Ambient installation temperature, range	0 .. 40 °C
Operating temperature, range	-20 .. 60 °C
Storage temperature, range	-30 .. 60 °C
Fire retardant	IEC 60332-3
Flame retardant	IEC 60332-1

N-numbers for LANmark-OF UC LSZH

Fiber optic type	Nexans ref.	Name
OM1 62.5/125	N160.471	LANmark-OF UC 4x Multimode 62,5/125 OM1 LSZH Black
OM1 62.5/125	N160.472	LANmark-OF UC 6x Multimode 62,5/125 OM1 LSZH Black
OM1 62.5/125	N160.473	LANmark-OF UC 8x Multimode 62,5/125 OM1 LSZH Black
OM1 62.5/125	N160.475	LANmark-OF UC 12x Multimode 62,5/125 OM1 LSZH Black
OM1 62.5/125	N160.481	LANmark-OF UC 24x Multimode 62,5/125 OM1 LSZH Black
OM2 50/125	N162.471	LANmark-OF UC 4x Multimode 50/125 OM2 LSZH Black
OM2 50/125	N162.472	LANmark-OF UC 6x Multimode 50/125 OM2 LSZH Black
OM2 50/125	N162.473	LANmark-OF UC 8x Multimode 50/125 OM2 LSZH Black
OM2 50/125	N162.475	LANmark-OF UC 12x Multimode 50/125 OM2 LSZH Black
OM2 50/125	N162.481	LANmark-OF UC 24x Multimode 50/125 OM2 LSZH Black
OM3 50/125	N165.471	LANmark-OF UC 4x Multimode 50/125 OM3 LSZH Black
OM3 50/125	N165.472	LANmark-OF UC 6x Multimode 50/125 OM3 LSZH Black
OM3 50/125	N165.473	LANmark-OF UC 8x Multimode 50/125 OM3 LSZH Black
OM3 50/125	N165.475	LANmark-OF UC 12x Multimode 50/125 OM3 LSZH Black
OM3 50/125	N165.481	LANmark-OF UC 24x Multimode 50/125 OM3 LSZH Black
OM4 50/125	N167.471	LANmark-OF UC 4x Multimode 50/125 OM4 LSZH Black
OM4 50/125	N167.472	LANmark-OF UC 6x Multimode 50/125 OM4 LSZH Black
OM4 50/125	N167.473	LANmark-OF UC 8x Multimode 50/125 OM4 LSZH Black
OM4 50/125	N167.475	LANmark-OF UC 12x Multimode 50/125 OM4 LSZH Black
OM4 50/125	N167.481	LANmark-OF UC 24x Multimode 50/125 OM4 LSZH Black
SM (G.652D)	N164.471	LANmark-OF UC 4x Singlemode 9/125 OS2 LSZH Black
SM (G.652D)	N164.472	LANmark-OF UC 6x Singlemode 9/125 OS2 LSZH Black
SM (G.652D)	N164.473	LANmark-OF UC 8x Singlemode 9/125 OS2 LSZH Black
SM (G.652D)	N164.475	LANmark-OF UC 12x Singlemode 9/125 OS2 LSZH Black
SM (G.652D)	N164.481	LANmark-OF UC 24x Singlemode 9/125 OS2 LSZH Black

LANmark-OF UC LSZH

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.

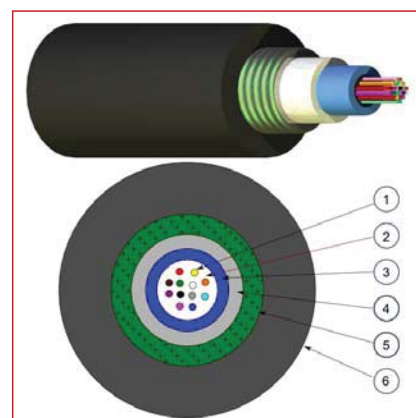
The loose tube design has a capacity of up to 24 fibres. Diameter of the fibres is 250 μ m. Termination of these fibres is done with splicing of pigtails.

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



LANmark-OF

Standards

International ISO/IEC 11801

Characteristics

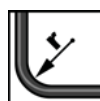
- Indoor/Outdoor cable
- Flame and fire non propagation
- Designed for termination by splicing
- Central loose tube design
- Corrugated steel protection
- Waterproof structure, rodent resistant and UV-resistant
- Available in all fibre grades
- Available from 4-24 fibres



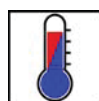
Mechanical
resistance to
impacts
100 impacts of
3 N.m



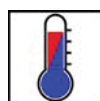
Minimum dynamic
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210.0 mm



Minimum static
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150 mm



Ambient
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0 .. 40 °C



Operating
temperature,
range
-20 .. 60 °C



Storage
temperature,
range
-30 .. 60 °C



Fire
retardant
IEC
60332-3



Flame
retardant
IEC
60332-1