

TBW+ optical fibre cables

- Designed for direct termination on ST, SC or MT-RJ connectors
- Suitable for indoor and outdoor use in risers or ducts
- Fully waterproof, longitudinally and radially
- Provides rodent resistance
- Up to 24 fibre capacity
- Available in all fibre grades

### Description

#### Application

LANmark-OF Tight Buffered optical fibre cables have been designed for applications where a high level of installation, environmental and optical performance is required. The tight buffered range is most suitable where direct termination is required

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

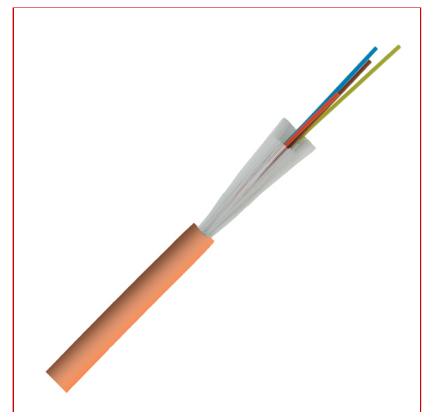
#### Performance

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.


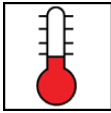
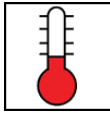
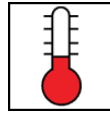
#### Construction

Legend accompanying cross section drawing:

1. 900  $\mu$ m tight buffered fibre
2. Glass yarns reinforcement
3. Flame retardant halogen free outer sheath



LANmark-OF

 <p>Flame retardant IEC 60332 Part 3 Cat. C</p>	 <p>Ambient installation temperature, range 0 .. 40 °C</p>	 <p>Operating temperature, range -20 .. 70 °C</p>	 <p>Storage temperature, range -20 .. 70 °C</p>
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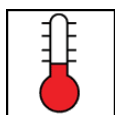
## Cables - LANmark-OF TBW+ LSZH

### Contact

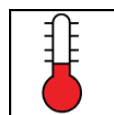
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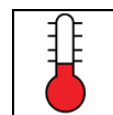
Flame retardant  
IEC 60332 Part 3 Cat. C



Ambient installation temperature,  
range  
0 .. 40 °C



Operating temperature, range  
-20 .. 70 °C



Storage temperature, range  
-20 .. 70 °C

## Cables - LANmark-OF TBW+ LSZH

### Characteristics

#### Construction characteristics

Type of cable	Tight Buffered Waterproof (TBW)
Armour type	Unarmoured
Material of filler / inner sheath	Glass yarn
Outer sheath	LSZH-FR

#### Mechanical characteristics

Crush resistance (IEC 794-1-E3)	600 N/cm
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#### Usage characteristics

Installation type	Indoor/Outdoor
Flame retardant	IEC 60332 Part 3 Cat. C
Rodent protection	Low
Ambient installation temperature, range	0 .. 40 °C
Operating temperature, range	-20 .. 70 °C
Storage temperature, range	-20 .. 70 °C

### Product List

Nexans ref.	Name	Fiber optic type	Number of optical fibres
N160.625	LANmark-OF1 TBW+ 12*MM62.5	OM1 62.5/125	12
N160.620	LANmark-OF1 TBW+ 2*MM62.5	OM1 62.5/125	2
N160.631	LANmark-OF1 TBW+ 24*MM62.5	OM1 62.5/125	24
N160.621	LANmark-OF1 TBW+ 4*MM62.5	OM1 62.5/125	4
N160.622	LANmark-OF1 TBW+ 6*MM62.5	OM1 62.5/125	6
N160.623	LANmark-OF1 TBW+ 8*MM62.5	OM1 62.5/125	8
N161.605	LANmark-OF1xt TBW+ 12*MM62.5	OM1 62.5/125 Extended Distance	12
N161.600	LANmark-OF1xt TBW+ 2*MM62.5	OM1 62.5/125 Extended Distance	2
N161.611	LANmark-OF1xt TBW+ 24*MM62.5	OM1 62.5/125 Extended Distance	24
N161.601	LANmark-OF1xt TBW+ 4*MM62.5	OM1 62.5/125 Extended Distance	4
N161.602	LANmark-OF1xt TBW+ 6*MM62.5	OM1 62.5/125 Extended Distance	6
N161.603	LANmark-OF1xt TBW+ 8*MM62.5	OM1 62.5/125 Extended Distance	8
N162.625	LANmark-OF2 TBW+ 12*MM50	OM2 50/125	12
N162.620	LANmark-OF2 TBW+ 2*MM50	OM2 50/125	2
N162.631	LANmark-OF2 TBW+ 24*MM50	OM2 50/125	24
N162.621	LANmark-OF2 TBW+ 4*MM50	OM2 50/125	4
N162.622	LANmark-OF2 TBW+ 6*MM50	OM2 50/125	6
N162.623	LANmark-OF2 TBW+ 8*MM50	OM2 50/125	8
N163.605	LANmark-OF2xt TBW+ 12*MM50	OM2 50/125 Extended Distance	12
N163.600	LANmark-OF2xt TBW+ 2*MM50	OM2 50/125 Extended Distance	2
N163.611	LANmark-OF2xt TBW+ 24*MM50	OM2 50/125 Extended Distance	24

## Cables - LANmark-OF TBW+ LSZH

Nexans ref.	Name	Fiber optic type	Number of optical fibres
N163.601	LANmark-OF2xt TBW+ 4*MM50	OM2 50/125 Extended Distance	4
N163.602	LANmark-OF2xt TBW+ 6*MM50	OM2 50/125 Extended Distance	6
N163.603	LANmark-OF2xt TBW+ 8*MM50	OM2 50/125 Extended Distance	8
N165.605	LANmark-OF3 TBW+ 12*MM50	OM3 50/125	12
N165.600	LANmark-OF3 TBW+ 2*MM50	OM3 50/125	2
N165.611	LANmark-OF3 TBW+ 24*MM50	OM3 50/125	24
N165.601	LANmark-OF3 TBW+ 4*MM50	OM3 50/125	4
N165.602	LANmark-OF3 TBW+ 6*MM50	OM3 50/125	6
N165.603	LANmark-OF3 TBW+ 8*MM50	OM3 50/125	8
N166.605	LANmark-OF3xt TBW+ 12*MM50	OM3 50/125 extended distance	12
N166.600	LANmark-OF3xt TBW+ 2*MM50	OM3 50/125 extended distance	2
N166.611	LANmark-OF3xt TBW+ 24*MM50	OM3 50/125 extended distance	24
N166.601	LANmark-OF3xt TBW+ 4*MM50	OM3 50/125 extended distance	4
N166.602	LANmark-OF3xt TBW+ 6*MM50	OM3 50/125 extended distance	6
N166.603	LANmark-OF3xt TBW+ 8*MM50	OM3 50/125 extended distance	8
N164.625	LANmark-OFsm TBW+ 12*SM	SingleMode 9/125	12
N164.620	LANmark-OFsm TBW+ 2*SM	SingleMode 9/125	2
N164.631	LANmark-OFsm TBW+ 24*SM	SingleMode 9/125	24
N164.621	LANmark-OFsm TBW+ 4*SM	SingleMode 9/125	4
N164.622	LANmark-OFsm TBW+ 6*SM	SingleMode 9/125	6
N164.623	LANmark-OFsm TBW+ 8*SM	SingleMode 9/125	8