

# Distribution - Tight cables Dca

TBU LSZH 12X50/125 OM4 SP1724 BK

**Aginode Ref:** 10503647

Tight Buffer cable - 12 fibres

This tight buffer cable is designed for indoor/outdoor installation.

This cable has an outstanding fire behaviour.

Direct connectorization is made easy with 900µm buffered structure.

This cable can be operated under a large temperature range.

## Design

The TBU LSZH\* SP1724 cable has a central strength member (FRP: Fibre Reinforced Plastic), with 12 900µm buffered structure around. The design is reinforced by a layer of glass yarns and a LSZH\* sheath.

## Fibre type

The TBU LSZH\* SP1724 cable is available with multimode and singlemode fibres.

## Technical performances

The tight buffer cable performances are specified in the following tables.

## Additional details

This cable is provided as a standard with a black sheath, other sheath colours are also available. Long exposure to UV with these other colours could generate colour fading.



## STANDARDS

EN 50399 D

IEC 60332-1

IEC 60332-3

IEC 60754-1

IEC 60794

IEC 61034

NF C32-070/C1

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.

\* LSZH: Low Smoke Zero Halogen.

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## Characteristics

### Construction characteristics

Colour	Black
Fiber optic type	OM4 50/125
Outer sheath	LSZH
Halogen free	IEC 60754-1
Material used for longitudinal water tightness	Watertight glass yarns
Metal free	Yes
Strength member	Central FRP
Construction type	Multi Tight
Additional strength member	Glass yarn

### Dimensional characteristics

Approximate weight	47 kg/km
Number of optical fibres	12
Cable Diameter, range	... mm
Number of optical fibres, range	...
Nominal outer diameter	6.5 mm

### Mechanical characteristics

Mechanical resistance to impacts	10 impacts of 3 N.m
Maximum permanent tensile load	0.3 kN
Crush resistance (IEC 60794-1-E3)	100 N/cm
Maximum installation tension	1000 N

### Usage characteristics

Operating temperature, range	-40...70 °C
Fire retardant	IEC 60332-3
Minimum static operating bending radius	70 mm
Flame retardant	IEC 60332-1
Smoke density	IEC 61034-2
U.V resistance	Very good

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Storage temperature, range	-40...70 °C
Laying operation bending radius	100 mm
Installation type	Indoor/Outdoor
Installation temperature, range	0...40 °C
Water proof	Longitudinal & radial

## Declaration of Performance

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## Selling & delivery Information

## Standard Marking

Aginode - FIBRE OPTIC CABLE - TBU LSZH Dca s1 d1 a1 SP1724 - XXxYY - FB - TN - metric

XX = Fibre Count YY = Fibre Type FB = Frameries, Belgium (manufacturing place) TN = Traceability Number