

# Distribution - Tight cables Dca

TBU LSZH 12XSM G652D SP1724 BK

**Aginode Ref:** 10239185

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.

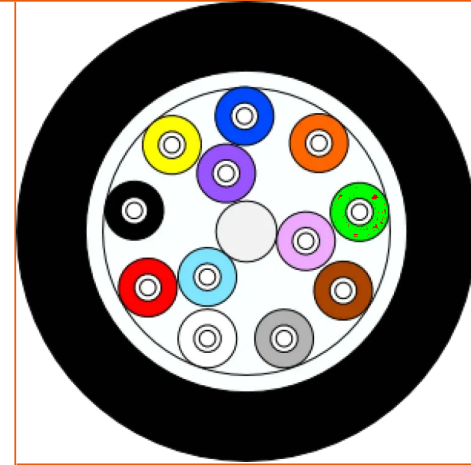
## Technical performances

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.

\* LSZH: Low Smoke Zero Halogen.



## STANDARDS

EN 50399 D

IEC 60332-1

IEC 60332-3

IEC 60754-1

IEC 60794

IEC 61034

NF C32-070/C1

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## Characteristics

### Construction characteristics

|  |                        |
|--|------------------------|
| Colour   | Black                  |
| Fiber optic type                               | SM (G.652D)            |
| 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