

# Distribution - Unitube cables Dca

UG LSZH 4xSM G657A1 SP1891 BK

## Contact

Sales contact  
telecom-data.info@nexans.com

Nexans Ref.: 10541031

Unitube cable with lateral strength member - 4 fibres SM G657A1

## DESCRIPTION

This unitube cable is designed for indoor/outdoor installation.

This cable has a good fire behaviour.

This cable can be operated under a large temperature range.

## Design

This UG LSZH SP1891 cable has a design with a central loose tube containing 4 fibers. This structure is surrounded by a layer of reinforcement yarns and two lateral strength members into the LSZH outer jacket.

## Fibre type

The UG LSZH SP1891 cable is available with singlemode and multimode fibers.

## Technical performances

The unitube cable performances are specified in the following tables.

## Additional details

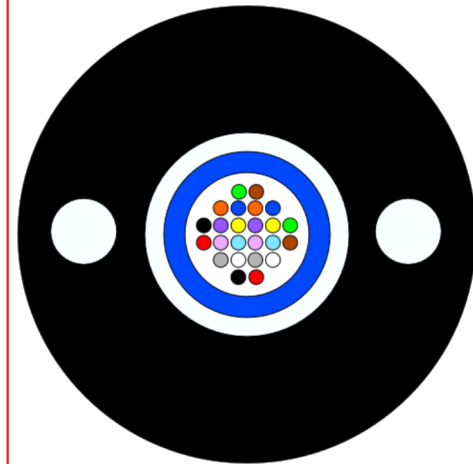
This cable is provided as a standard with a black sheath, other sheath colours are also available. Long exposure to UV with these other colours could generate colour fading.

## Euroclass

Dca s1 d0 a1

LSZH: Low Smoke Zero Halogen.

This indoor/outdoor cable has a low smoke emission and is halogen free.



## DECLARATION OF PERFORMANCE

Dca-s1,d0,a1

## STANDARDS

**International** EN 50399 D;  
IEC 60332-1; IEC 60754-1;  
IEC 60794; IEC 61034



Halogen free  
IEC 60754-1



Mechanical  
resistance to  
impacts  
3 impacts of 3 N.m



Flame retardant  
IEC 60332-1



Gases toxicity  
IEC 60754-1



U.V resistance  
Very good



Water proof  
Longitudinal &  
radial



Inst. temp. range  
0 - 40 °C



Storage  
temperature, range  
-40 - 60 °C

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## CHARACTERISTICS

### Construction characteristics

Strength member	FRP
Construction type	-
Fiber optic type	SM (G657.A1)
Material used for longitudinal water tightness	Swellable yarn
Additional strength member	Aramide
Outer sheath	-
Halogen free	IEC 60754-1
Metal free	-
Colour	Black

### Dimensional characteristics

Nominal outer diameter	6.0 mm
Approximate weight	45 kg/km
Number of optical fibres	4

### Mechanical characteristics

Maximum installation tension	1100 N
Maximum permanent tensile load	- kN
Crush resistance (IEC 60794-1-E3)	200 N/cm
Mechanical resistance to impacts	3 impacts of 3 N.m

### Usage characteristics

Flame retardant	IEC 60332-1
Gases toxicity	IEC 60754-1
U.V resistance	Very good
Water proof	Longitudinal & radial
Installation type	Indoor/Outdoor
Installation temperature, range	0 - 40 °C
Storage temperature, range	-40 - 60 °C
Operating temperature, range	-30 - 60 °C
Minimum static operating bending radius	- mm
Laying operation bending radius	- mm

## SELLING AND DELIVERY INFORMATION

### Standard Marking

Nexans - FIBRE OPTIC CABLE - UG LSZH Dca s1 d0 a1 4xSM G657A1 SP1891 - XXxYY - FB - TN - metric

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