

Distribution - Unitube cables Dca

UG LSZH 6xSM G657A1 SP1891 BK

Contact

Sales contact
telecom-data.info@nexans.com

Nexans Ref.: 10541035

Unitube cable with lateral strength member - 6 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 6 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

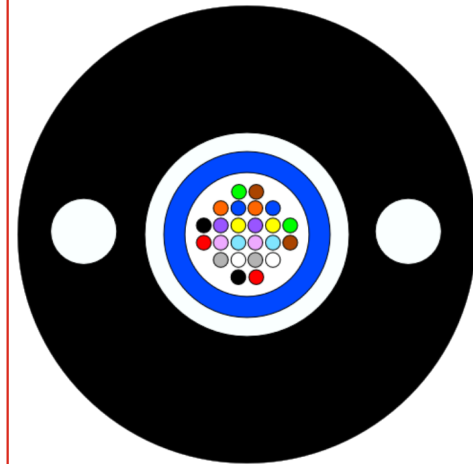
This cable is provided as a standard with a black sheath, other sheath colours are also available. Long exposure to UV with these other colours could generate colour fading.

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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Generated 5/29/22 www.nexans.fr Page 1 / 2

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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	6

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