

Distribution - Unitube cables Dca

UG LSZH 12xSM G657A1 SP1891 BK

Contact

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Nexans Ref.: 10272425

Unitube cable with lateral strength member - 12 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 12 fibers. This structure is surrounded by a layer of reinforcement yarns and two lateral strength members into the LSZH outer jacket.

Technical performances

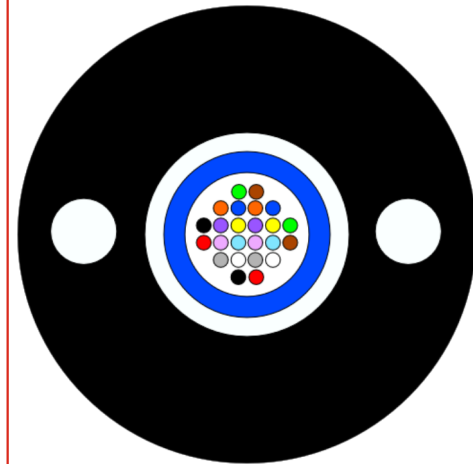
The unitube cable performances are specified in the following tables.

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.

LSZH: Low Smoke Zero Halogen.

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



DECLARATION OF PERFORMANCE

Dca-s2,d2,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

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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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	12

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 s2 d2 a1 SP1891 - XXxYY - FB - TN - metric

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

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