Unibundle cables

SC LSZH 4XSM G657A2 WT SP1249

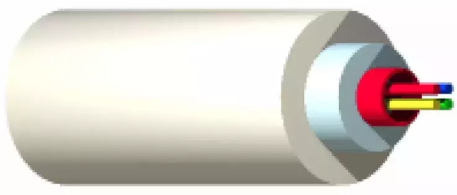
Aginode Ref: 10201442

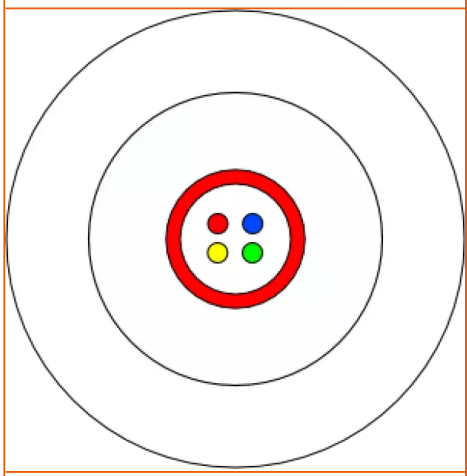
Unibundle cable with CPR classification : Cca-s1a,d1,a1

This unibundle cable is designed for indoor/outdoor installation.

This cable has an outstanding fire behaviour.

This cable can be operated under a large temperature range.





Design

The SC LSZH* SP1249 cable has a central bundle with 4 fibres inside. The design is reinforced by a layer of watertight glass yarns and a LSZH* sheath.

Fibre type

The SC LSZH* SP1249 cable is available with singlemode fibres.

Technical performances

The unibundle cable performances are specified in the following tables.

Additional details

This cable is provided with a white sheath. Long exposure to UV with this colour could generate colour yellowing.

* LSZH: Low Smoke Zero Halogen.

STANDARDS

EN 50399
IEC 60332-1
IEC 60332-3
IEC 60754-1
IEC 60794
IEC 61034
NF C32-070/C2

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.

SC LSZH 4xSM G657A2 WT SP1249

Characteristics

Construction characteristics	
Additional strength member	Glass yarn
Colour	White
Construction type	Unibundle
Fiber optic type	SM (G657.A2)
Halogen free	IEC 60754-1
Material used for longitudinal water tightness	Watertight glass yarns
Metal free	Yes
Outer sheath	LSZH
Dimensional characteristics	
Approximate weight	21 kg/km
Cable Diameter, range	3.9...4.5 mm
Nominal outer diameter (mm)	4.1 mm
Number of optical fibres	4
Number of optical fibres, range	1...12
Mechanical characteristics	
Crush resistance (IEC 60794-1-E3)	200 N/cm
Maximum installation tension	750 N
Maximum permanent tensile load	0.2 kN
Mechanical resistance to impacts	10 impacts of 3 N.m
Usage characteristics	
Fire retardant	IEC 60332-3
Flame retardant	IEC 60332-1
Installation temperature, range	0...40 °C
Installation type	Indoor/Outdoor
Laying operation bending radius	15 mm
Minimum static operating bending radius	15 mm
Operating temperature, range	-30...60 °C

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Rodent protection	Glass yarns
Smoke density	IEC 61034-2
Storage temperature, range	-40...60 °C
U.V resistance	Very good
Water proof	Longitudinal & radial

Declaration of Performance

CprRegulation_CE_10201442 SC LSZH 4xG657A2 SP1249 WT (AG).pdf pdf — 49.7 KB Download

Selling & delivery Information

Standard Marking

Aginode - FIBRE OPTIC CABLE - SC LSZH Cca s1a d1 a1 SPXXXX - XXxYY TN - metric

XX = Fibre Count YY = Fibre Type TN = Traceability Number

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