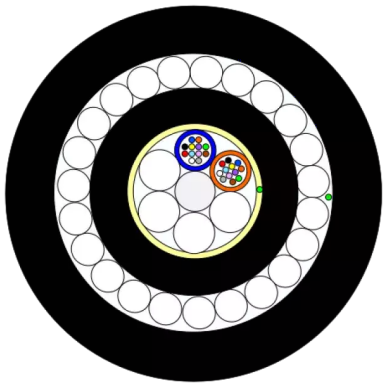
FLOWGUARD™ - Fire Resistant - Multibundle Cables

FLOWGUARD LSZH 2X12 SM-D SP1905 BK

Aginode Ref: 10563593



Multi micro-modules cable with dielectric FRP armour:

This FLOWGUARD™ (ref. SP1905) is designed for indoor/outdoor installation in railways/tunnel infrastructure or public buildings when circuit integrity during fire is a key point.

The FRP armour provides a high rodent protection. This cable has an outstanding fire behaviour.

This cable can be operated under a wide temperature range.

FLOWGUARD™ is fire resistant (circuit integrity) following EN50200 during 120minutes.

Waterproof dry core structure.

STANDARDS

EN 50200
EN 50399
IEC 60332-1
IEC 60332-3
IEC 60754-2
IEC 60794
IEC 61034

Design

The FLOWGUARD™ LSZH* cable has a central strength member (FRP : Fibre Reinforced Plastic), with bundles around. The design is reinforced by a first layer of aramid yarns, a LSZH* inner sheath, a FRP composed armour and a LSZH* outer steath.

A ripcord is placed beneath the inner and outer sheath for an easy access to the micro-modules.

Technical performances

The cable performances are specified in the following tables.

Additional details

This cable is provided as a standard with a black sheath and FOTAG bundle color coding.

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.

Euroclass

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Marking

Aginode FLOWGUARD FIBRE OPTIC CABLE LSZH - SP1905 - XXxYY - TN - metric

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

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Characteristics

结构特性	
额外加强件	Aramide
铠装类型	FRP
颜色	黑
结构类型	多束管
光纤类型	SM
无卤	IEC 60754-1
长度水密封性所用材料	膨胀纱
不含金属	Yes
外护套	低烟无卤阻燃
加强构件	FRP中心加强件
尺寸特性	
近似重量	172 kg/km
标称外径	12.4 mm
光纤数	24
管数	2
机械特性	
耐挤压 (IEC 794-1-E3)	300 N/cm
最大安装拉力	5000 N
机械耐冲击性能	10次冲击/ 3N.M
传输特性	
成缆后最大衰减，1310nm	0.36 dB/1000m
成缆后最大衰减，1550nm	0.23 dB/1000m
使用特性	
敷设时弯曲系数	20 (xD)
耐火	UNE-EN50200 PH120
阻燃	IEC 60332-3
阻燃 - 火焰	IEC 60332-1
Installation temperature, range	-5...40 °C
安装类型	室内/户外

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最小弯曲半径 - 静态	200 mm
操作温度，范围	-40...70 °C
防啮齿保护	FRP
烟密度	IEC 61034-2
存储温度范围	-40...70 °C

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