# FLOWGUARD™ - Fire Resistant - Multibundle Cables




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 |
| 不含金属 | Yes |
| 外护套 | 低烟无卤 |
| 加强构件 | FRP中心加强件 |
| **尺寸特性** | |
| 近似重量 | 200 kg/km |
| 标称外径 | 12.4 mm |
| 光纤数 | 72 |
| 管数 | 6 |
| **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** | |
| 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 |
| 最小弯曲半径 - 静态 | 200 mm |

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| | |
|---|---|
| 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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## Product list

| | Aginode ref. | Country ref. | Name | 颜色 | 光纤数 | 管数 |
|---|---|---|---|---|---|---|
| | 14501232 | - | FLOWGUARD LSZH 6X12 SM-D SP1905 BK | 黑 | 72 | 6 |
| | 10563593 | - | FLOWGUARD LSZH 2X12 SM-D SP1905 BK | 黑 | 24 | 2 |
| | 10565775 | - | FLOWGUARD LSZH 4X12 SM-D SP1905 BK | 黑 | 48 | 4 |

= Make to order, = In Stock

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