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

Construction characteristics	
Additional strength member	Aramide
Armour type	FRP
Colour	Black
Construction type	Multibundle
Fiber optic type	SM
Halogen free	IEC 60754-1
Metal free	Yes
Outer sheath	LSZH
Strength member	Central FRP
Dimensional characteristics	
Approximate weight	200 kg/km
Nominal outer diameter (mm)	12.4 mm
Number of optical fibres	72
Number of tubes	6
Mechanical characteristics	
Crush resistance (IEC 60794-1-E3)	300 N/cm
Maximum installation tension	5000 N
Mechanical resistance to impacts	10 impacts of 3 N.m
Transmission characteristics	
Attenuation, max. 1310 nm (cabled)	0.36 dB/1000m
Attenuation, max. 1550 nm (cabled)	0.23 dB/1000m
Usage characteristics	
Fire resistant	UNE-EN50200 PH120
Fire retardant	IEC 60332-3
Flame retardant	IEC 60332-1
Installation temperature, range	-5...40 °C
Installation type	Indoor/Outdoor
Minimum static operating bending radius	200 mm

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Operating temperature, range	-40...70 °C
Rodent protection	FRP
Smoke density	IEC 61034-2
Storage temperature, range	-40...70 °C

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Product list

	Aginode ref.	Country ref.	Name	Colour	Number of optical fibres	Number of tubes
	14501232	-	FLOWGUARD LSZH 6X12 SM-D SP1905 BK	Black	72	6
	10563593	-	FLOWGUARD LSZH 2X12 SM-D SP1905 BK	Black	24	2
	10565775	-	FLOWGUARD LSZH 4X12 SM-D SP1905 BK	Black	48	4

= Make to order, = In Stock

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