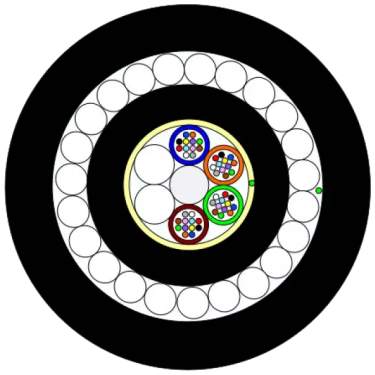
FLOWGUARD™ - Feuerbeständig - Multibündelkabel

FLOWGUARD LSZH 4X12 SM-D SP1905 BK

Aginode Ref: 10565775



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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Eigenschaften

Konstruktionsmerkmale	
Additional strength member	Aramide
Armierung	FRP
Farbe	Schwarz
Leitungsaufbau	Multibundle
Fasertyp	SM
Halogenfrei	IEC 60754-1
Verwendetes Material für Längswasserdichtigkeit	Quellfäden
Metallfrei	Yes
Außenmantel	LSZH-FR
Zugentlastungselement	Central FRP
Abmessungsmerkmale	
Nettogewicht ca.	172 kg/km
Außendurchmesser, nom.	12.4 mm
Anzahl der optischen Fasern	48
Anzahl der Bündel	4
Mechanische Eigenschaften	
Querdruckwiderstand (IEC 794-1-E3)	300 N/cm
Maximale Zugspannung bei Installation	5000 N
Mechanische Festigkeit gegen Schläge	10 impacts of 3 N.m
Übertragungseigenschaften	
Dämpfung, max. 1310 nm (verkabelt)	0.36 dB/1000m
Dämpfung, max 1550 MHz (verkabelt)	0.23 dB/1000m
Anwendungsmerkmale	
Biegefaktor bei Verlegung	20 (xD)
Feuerbeständig	UNE-EN50200 PH120
flammwidrig	IEC 60332-3
Flammwidrig	IEC 60332-1
Umgebungstemperatur, Bereich	-5...40 °C
Art der Installation	Indoor/Outdoor

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Mindestbiegeradius bei statischem Einsatz	200 mm
Betriebstemperatur	-40...70 °C
Nagetierschutz	FRP
Rauchdichte	IEC 61034-2
Lagertemperatur, Bereich	-40...70 °C

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