

#smartconnection

Telecom solution



Pre-Connectorized Drop Cable

PCDC

www.aginode.net



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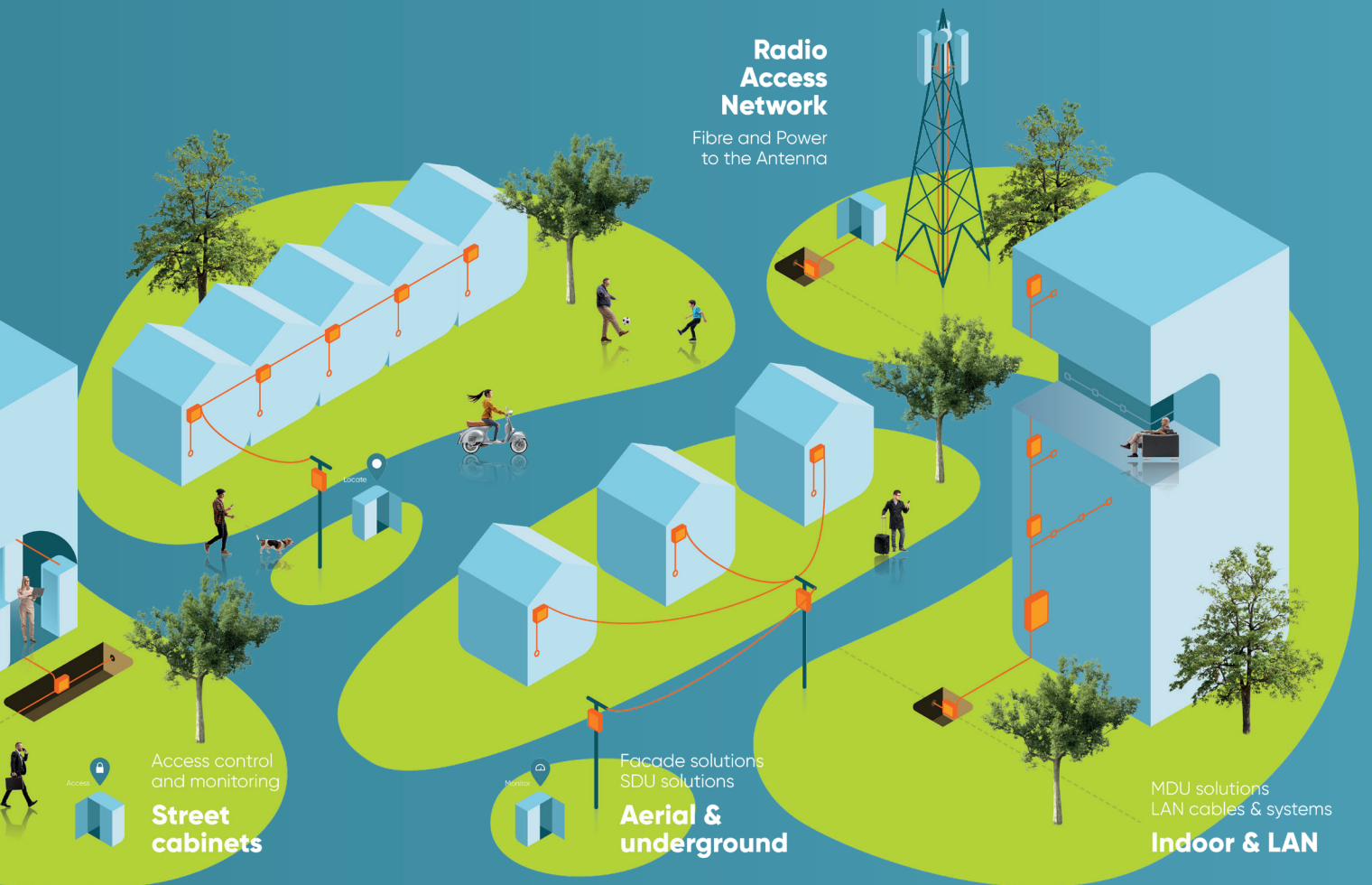
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ODF solutions
Data centre solutions

**Central
Office**



Make #smartconnections with Aginode.

Aginode, designs & manufactures connectivity solutions for digital networks in FTTx, Mobile, LAN & Data Centre markets. Our goal: to enable the infrastructure which delivers applications that make lives more connected, productive, and enjoyable; today and in future.

Our international teams have over 30 years proven track record of developing, implementing, and servicing advanced infrastructure solutions, with Aginode's diverse product range under our brand names:

- **FTTx & Mobile:** XPLOER™, BRIGHTBOX™, INFRABIRD™, UPSKY™
- **LAN & Data Centres:** LANmark™, LANsense™, LANactive

With a state-of-the-art industrial footprint and recognised technological know-how in Europe, Middle East, North-West Africa, and Asia, Aginode is a key player in digitalisation and connectivity.

With cable and component manufacturing facilities located just a few hours from Calais, Aginode is perfectly positioned as a manufacturing partner to meet the stringent demands of UK FTTH roll out projects.

Pre-Connectorized Drop Cable

Aginode's fibre drop cable assembly solutions are crafted to enhance the speed and adaptability of network deployments. Each factory connectorized cable removes the need for time-intensive field splicing. With a plug-and-play design, these solutions accelerate connections and service activation across the network.

PCDC overview

		Single jacket				Dual jacket	Indoor	
		ULW PIA SP2059	ADSS PIA SP1952	ADSS, Facade, Pulled in ducts SP1869	Blowable low friction fibre unit 1.1mm 1FO	Dual jacket ADSS, Facade, Pulled in ducts 5.1mm 1FO SP1892	Cca 1FO SP1909	Cca 2FO SP1942
Type of connector	Configurator code	A	B	C	E	D	Z	Y
Hardened standard	HS	✓	✓	✓	✗	✓	✗	✗
SC/APC	SC	✓	✓	✓	✗	✓	✓	✓
LC/APC	LC	✓	✓	✓	✓*	✓	✓	✓
LC/APC blowable ferrule	BF	✗	✗	✗	✓*	✗	✗	✗

* Only available with END 1 LC/APC and END 2 LC/APC blowable ferrule



Hardened Standard



SC/APC



LC/APC

Name string key

Pre-Connectorized Drop Cable*				
PCDC	Type of cable	End 1	End 2	Length (m) ***
	A	HS	HS	001-
	B	SC	SC	002-
	C	LC	LC	003-
	D**	BF	BF	005-
	E		00 (Stub)	020-
	Y			050-
	Z			100-
				200-
				350-
				ect.

* ADSS Cable Steel Helical Clamps are recommended

** Maximum length of 40m aerial span recommended

*** - means round length value

d means decimal length value (length + 0,5m)

Example (Aginode ref.):

PCDCAHS00050- -> Single jacket - ADSS, ULW, PIA - 5,0mm 1FO, Hardened Standard, Stub, 50m

Single jacket cable ADSS, ULW, PIA 5.0 mm 1FO

Aginode reference : PCDCAxxxx

Connectorization available

- Hardened Standard
- SC/APC
- LC/APC
- Hybrid jumpers are available with different connectors on each end

Lengths (in m) and packaging available:

- Up to 350m
- Individual recyclable paper bag
- Individual recyclable cardboard box. With spool of durable cardboard for long lengths

Description

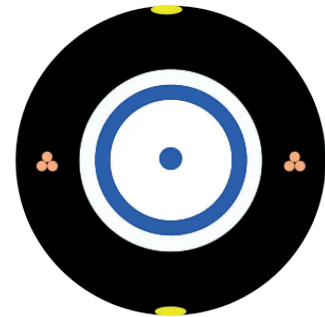
This cable is designed for subscriber connections in terminal part. It's suitable for aerial installation and underground installation by pulling or pushing into duct.

Characteristics & applications

- Compact cable
- UV resistant outersheath
- Waterproof structure
- Compliant with PIA requirements in UK (breaking strength at 200daN max)
- Compatible with fitting accessories

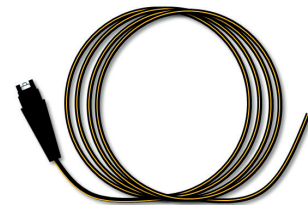
Construction

- Central loose tube jelly filled with 250µm fibre(s)
- Glass yarns reinforcements
- HDPE outer sheath with embedded metallic wires
- Colour : Black outer sheath with 2 yellow stripes at 180°
- UV resistant outersheath
- When connectorized with SC/APC or LC/APC
 - Min. length from the end of the jacket to the end of the ferrule: 90mm
 - Cable retention (cable-connector): 70N, 60s
- When connectorized with Hardened Standard
 - Cable retention (cable-connector): 300N, 60s

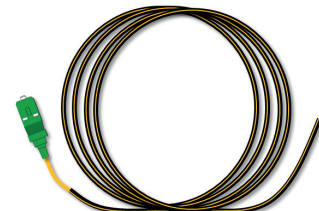


SP2059

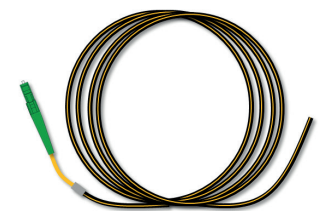
STANDARDS
IEC 60794



Hardened Standard



SC/APC



LC/APC

Characteristics

Construction characteristics

Colour	Black /yellow
Fibre optic type	SM (G657.A2)
Outer sheath	HDPE-UV
Dielectric	No

Dimensional characteristics

Approximate weight	21 kg/km
Number of optical fibres	1
Cable diameter	5.0mm

Transmission characteristics

Insertion loss, maximum, dB	0.25 dB
Return loss, minimum, dB	65 dB
Insertion loss, typical value	0.12 dB

Usage characteristics

Field of application	Customer connection
Installation type	Outdoor
Installation temperature, range	0...40°C
Minimum Bend Radius - Installed	20 (xD) 100mm

Single jacket cable ADSS, PIA 3.0 mm 1FO

Aginode reference : PCDCBxxxx

Connectorization available

- Hardened Standard
- SC/APC
- LC/APC
- Hybrid jumpers are available with different connectors on each end

Lengths (in m) and packaging available:

- Up to 350m
- Individual recyclable paper bag
- Individual recyclable cardboard box. With spool of durable cardboard for long lengths

Description

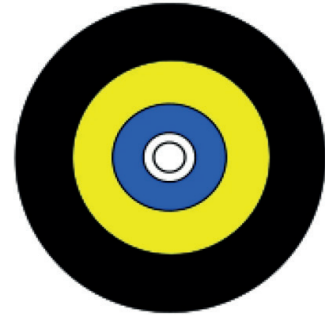
This cable is designed for subscriber connections in terminal part. It's suitable for aerial installation.

Characteristics & applications

- Compact cable
- All dielectric design
- UV resistant outersheath
- Waterproof structure
- Compliant with PIA requirements in UK (breaking strength at 200daN max)
- Compatible with fitting accessories

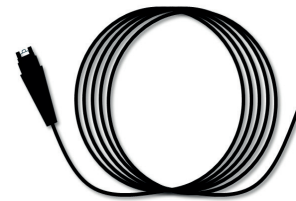
Construction

- Tight fibres
- Aramid yarns reinforcements for aerial applications
- UV resistant outersheath
- When connectorized with SC/APC or LC/APC
 - Cable retention (cable-connector): 70N, 60s
- When connectorized with Hardened Standard
 - Cable retention (cable-connector): 300N, 60s

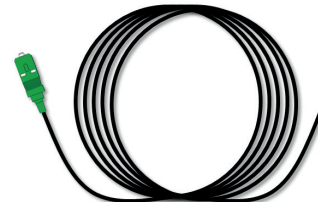


SP1952

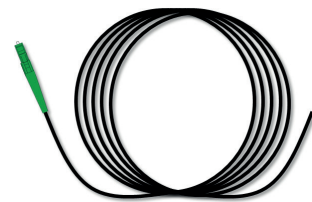
STANDARDS
IEC 60794



Hardened Standard



SC/APC



LC/APC

Characteristics

Construction characteristics

Colour	Black
Fibre optic type	SM (G657.A2)
Outer sheath	PUR
Dielectric	Yes

Dimensional characteristics

Approximate weight	9 kg/km
Number of optical fibres	1
Cable diameter	3.0mm

Transmission characteristics

Insertion loss, maximum, dB	0.25 dB
Return loss, minimum, dB	65 dB
Insertion loss, typical value	0.12 dB

Usage characteristics

Field of application	Customer connection
Installation type	Outdoor
Installation temperature, range	0...40°C
Minimum Bend Radius - Installed	20 (xD) 60mm

Single jacket cable ADSS, Facade Pulled in Dutcs 4.5 mm 1FO

Aginode reference : PCDCCxxxx

Connectorization available

- Hardened Standard
- SC/APC
- LC/APC
- Hybrid jumpers are available with different connectors on each end

Lengths (in m) and packaging available:

- Up to 350m
- Individual recyclable paper bag
- Individual recyclable cardboard box. With spool of durable cardboard for long lengths

Description

This cable is designed for subscriber connections in terminal part. It's suitable for aerial installation.

Characteristics & applications

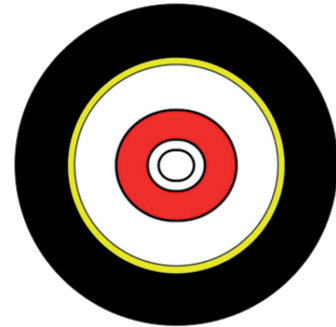
- Compact cable
- All dielectric design
- UV resistant LSZH outersheath
- Waterproof structure
- Compatible with fitting accessories

Fibre type

The cable is available with different fibre types.

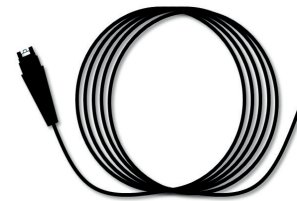
Construction

- Tight fibre 900µm compatible with field installable connectors
- Glass and aramid yarns reinforcements for aerial applications
- LSZH UV resistant outersheath
- When connectorized with SC/APC or LC/APC
 - Cable retention (cable-connector): 70N, 60s
- When connectorized with Hardened Standard
 - Cable retention (cable-connector): 300N, 60s

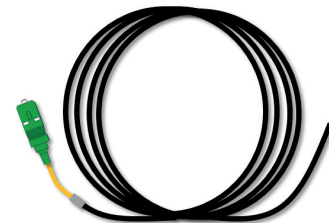


SP1869

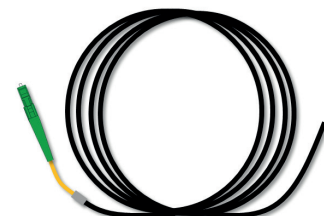
STANDARDS
IEC 60794



Hardened Standard



SC/APC



LC/APC

Characteristics

Construction characteristics

Colour	Black
Fibre optic type	SM (G657.A2)
Outer sheath	LSZH-FR
Dielectric	Yes

Dimensional characteristics

Approximate weight	20 kg/km
Number of optical fibre	1
Cable diameter	4.5mm

Transmission characteristics

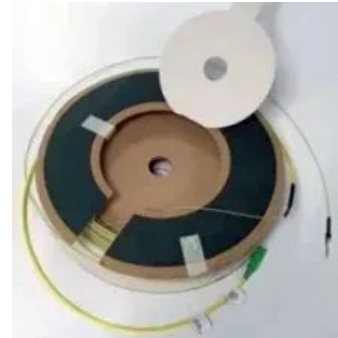
Insertion loss, maximum, dB	0.25 dB
Return loss, minimum, dB	65 dB
Insertion loss, typical value	0.12 dB

Usage characteristics

Field of application	Customer connection
Installation type	Aerial -self -supporting
Installation temperature, range	0...40°C
Minimum Bend Radius - Installed	20 (xD) 90mm

Blown fibre low friction resin 1.1 mm 1FO

Aginode reference :
PCDCELCBF xxxx



Connectorization available

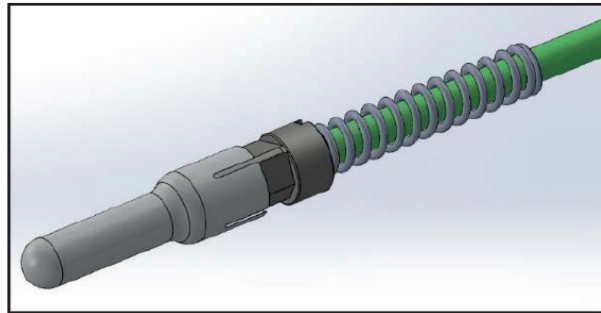
- LC/APC preterminated ferrule outer end
- LC/APC inner end
- 2 fibres included - 1 terminated leaving spare fibre for future use

Lengths and packaging available:

- 25-100m: 25m increments
- 100-500m: 50m increments
- Spool of durable cardboard :
Diameter 265mm x 45mm wide

Designed for fast easy FTTH installation

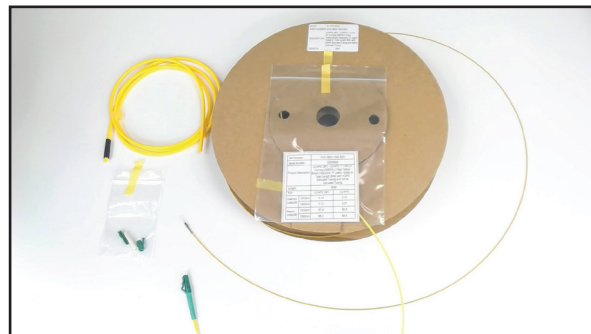
- Ferrule preterminated at outer end for blowing into duct (connector body supplied to be added after blowing)
- 2 fibres included leaving 1 spare for future use
- Supplied with yellow LSZH tubing for cable protection after installation
- Blowing range in excess of 1km
- Suitable for micro-duct with internal diameter $\geq 3.2\text{mm}$



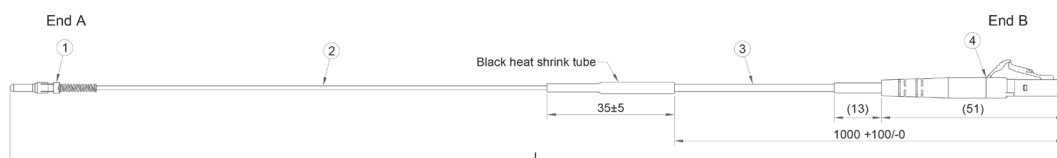
Pre-ferruled LC/APC

Kit content

- LC APC standard connector, green housing, 2.0mm green boot, APC ferrule
- 2F yellow blown cable, G657A1 Fiber, only one fiber is used, the other fiber is cut at the encapsulation point
- LC/APC Blown fiber connector for blowing
- LC/APC Blown fiber connector housing for LS termination.
- 2.0mm yellow LSZH tube in case cable protection is needed inside the street cabinet or the joint closure.



Pre-ferruled assembly - terminated both ends



Characteristics

Construction characteristics

Colour	Yellow
Fibre optic type	SM (G657.A1)
Outer sheath	PE
Dielectric	Yes
Longitudinally watertight	Yes

Dimensional characteristics

Number of optical fibres	2
Cable diameter	1.1 mm

Transmission characteristics

Insertion loss, maximum, dB	0.25 dB
Return loss, minimum, dB	65 dB
Insertion loss, typical value	0.12 dB

Usage characteristics

Field of application	Underground
Packaging	Cardboard spool
Installation type	Outdoor - Microduct blowable
Installation temperature, range	-10...40°C
Minimum Bend Radius - Installed	20 (xD) 50 mm

Dual jacket – ADSS, Facade Pulled in Dutcs 5.1 mm 1FO

Aginode reference : PCDCDxxxx

Connectorization available

- Hardened Standard
- SC/APC
- LC/APC
- Hybrid jumpers are available with different connectors on each end

Lengths (in m) and packaging available:

- Up to 350m
- Individual recyclable paper bag
- Individual recyclable cardboard box. With spool of durable cardboard for long lengths

Description

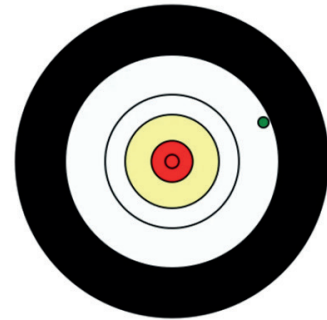
This cable is designed for subscriber connections in terminal part. It's suitable for facade installation.

Characteristics & applications

- Dual sheath cable
- All dielectric design
- UV resistant PE outersheath
- LSZH inner sheath with CPR rating : Cca s1a d1 a1
- Waterproof structure

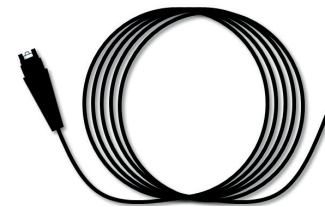
Construction

- Tight fibre 900µm
- LSZH inner cord SP1909 with 2.2mm diameter.
- Glass yarns reinforcements for facade applications
- PE UV resistant outersheath
- When connectorized with SC/APC or LC/APC
 - Min. length from the end of the jacket to the end of the ferrule: 90mm
 - Cable retention (cable-connector): 70N, 60s
- When connectorized with Hardened Standard
 - Cable retention (cable-connector): 300N, 60s

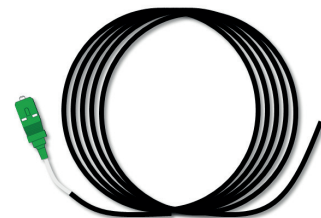


SP1892

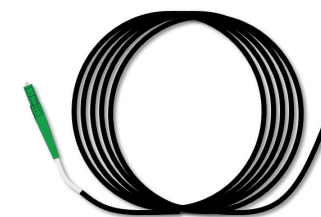
STANDARDS
IEC 60794



Hardened Standard



SC/APC



LC/APC

Characteristics

Construction characteristics

Colour	Black
Fibre optic type	SM (G657.A2)
Outer sheath	PE
Dielectric	Yes

Dimensional characteristics

Approximate weight	26 kg/km
Number of optical fibres	1
Cable diameter	5.1mm

Transmission characteristics

Insertion loss, maximum, dB	0.25 dB
Return loss, minimum, dB	65 dB
Insertion loss, typical value	0.12 dB

Usage characteristics

Field of application	Customer connection
Installation type	Indoor/Outdoor
Installation temperature, range	0...40°C
Minimum Bend Radius - Installed	20 (xD) 102 mm

Indoor Cca 1FO

Aginode reference : PCDCZxxxx

Connectorization available

- SC/APC
- LC/APC
- Hybrid jumpers are available with different connectors on each end

Lengths (in m) and packaging available:

- Up to 350m
- Individual recyclable paper bag
- Individual recyclable cardboard box. With spool of durable cardboard for long lengths

This single fibre cord is designed for indoor installation. This cord has an outstanding fire behaviour. This cord can be operated under a large temperature range.

Design

The SP1909 cable has a central maxistrip buffered fibre. The design is reinforced by a layer of aramid yarns and a LSZH* sheath.

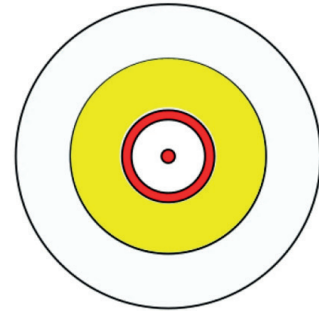
Technical performances

Cable retention (cable-connector): 70N, 60s.
The PCDCZxxxx (SP1909) performances are specified in the following tables.

Additional details

This cable is provided as a standard with a white sheath, other sheath colours are also available. Long exposure to UV with these others colours could generate colour fading.

* LSZH: Low Smoke Zero Halogen.



SP1909

STANDARDS
IEC 60754-01
IEC 61034



SC/APC



LC/APC

Characteristics

Construction characteristics

Colour	White
Fibre optic type	SM (G657.A2)
Outer sheath	LSZH
Dielectric	Yes

Dimensional characteristics

Approximate weight	4 kg/km
Number of optical fibres	1
Cable diameter	2.1...2.3 mm

Transmission characteristics

Insertion loss, maximum, dB	0.25 dB
Return loss, minimum, dB	65 dB
Insertion loss, typical value	0.12 dB

Usage characteristics

Field of application	Customer connection
Installation type	Indoor
Installation temperature, range	-5...60°C
Minimum Bend Radius - Installed	20 (xD) 44 mm

Indoor Cca 2FO

Aginode reference : PCDCYxxxx

Connectorization available

- SC/APC
- LC/APC
- Hybrid jumpers are available with different connectors on each end

Lengths (in m) and packaging available:

- Up to 350m
- Individual recyclable paper bag
- Individual recyclable cardboard box. With spool of durable cardboard for long lengths

This dual fibre cord is designed for indoor installation. This cord has an outstanding fire behaviour. This cord can be operated under a large temperature range.

Design

The SP1909 cable has a central maxstrip buffered fibre. The design is reinforced by a layer of aramid yarns and a LSZH* sheath.

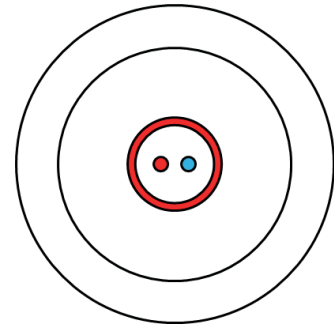
Technical performances

Cable retention (cable-connector): 70N, 60s.
The PCDCYxxxx (SP1942) performances are specified in the following tables.

Additional details

This cable is provided as a standard with a white sheath, other sheath colours are also available. Long exposure to UV with these others colours could generate colour fading.

* LSZH: Low Smoke Zero Halogen.



SP1942

STANDARDS
IEC 60754-01
IEC 61034



SC/APC



LC/APC

Characteristics

Construction characteristics

Colour	White
Fibre optic type	SM (G657.A2)
Outer sheath	LSZH
Dielectric	Yes

Dimensional characteristics

Approximate weight	6 kg/km
Number of optical fibres	2
Cable diameter	2.7 mm

Transmission characteristics

Insertion loss, maximum, dB	0.25 dB
Return loss, minimum, dB	65 dB
Insertion loss, typical value	0.12 dB

Usage characteristics

Field of application	Customer connection
Installation type	Indoor
Installation temperature, range	-5...60°C
Minimum Bend Radius - Installed	20 (xD) 54 mm

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