

Connecting elements – fiber optic cabling

Patchcords in corrugated tube Compact



Optic fiber patchcords placed in corrugated tubes Compact series are characterized by enhanced mechanical resistance and also they provide easier organisation and management of optic fiber cables between distribution cabinets. Placing cables in the tube before connectorization increases their maximum quantity inside and allows selecting a tube with the smallest possible outer diameter. Compact series is based on flexible corrugated tubes made of PVC (standard and strengthened) or PA 6. Polyamide 6 tubes are halogen free, and have wider scope of working temperature. PVC tubes are designed for under-plaster installations, and the strengthened version can be installed directly in concrete floors. Patchcords are terminated with the Gold Grade connectors. Ends of corrugated tube can be secured with tape or gland.

APPLICATIONS:

- ✓ Telecommunication networks,
- ✓ FTTx, FTTD, FTTB, FTTH networks
- ✓ Local Area Networks (LAN)

APPLICATIONS:

- ✓ Comply with IEC, TIA/EIA requirements,
- ✓ High quality and repeatability of the transmission parameters,
- ✓ Good value for money,
- ✓ Different kinds of tubes to fit individual needs,
- ✓ Teletechnical floors, concrete, and under-plaster installation possibility
- ✓ Use of gland provides protection for cables and also expedites mounting in FIBRAIN patch panels (PG13,5 and PG16);

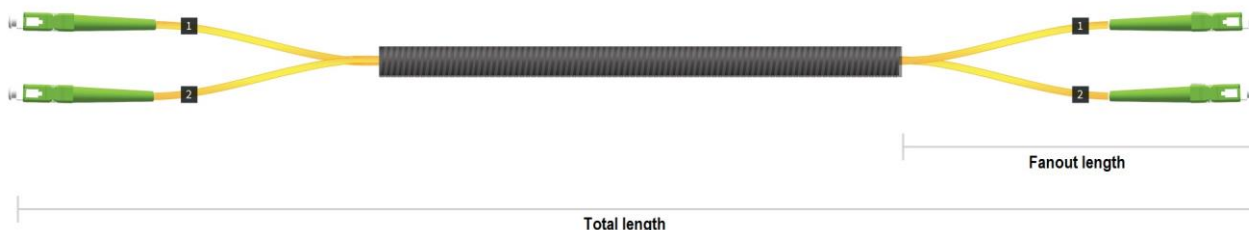
TECHNICAL SPECIFICATION:

Parameter	SM PC Connector	SM APC Connector	MM PC Connector
IL_{max} (IEC 61300-3-4)	≤ 0.17 dB	≤ 0.20 dB	≤ 0.20 dB
IL_{av} (IEC 61300-3-4)	≤ 0.15 dB	≤ 0.16 dB	≤ 0.12 dB
RL (IEC 61300-3-6)	≥ 55 dB	≥ 65 dB	≥ 35 dB

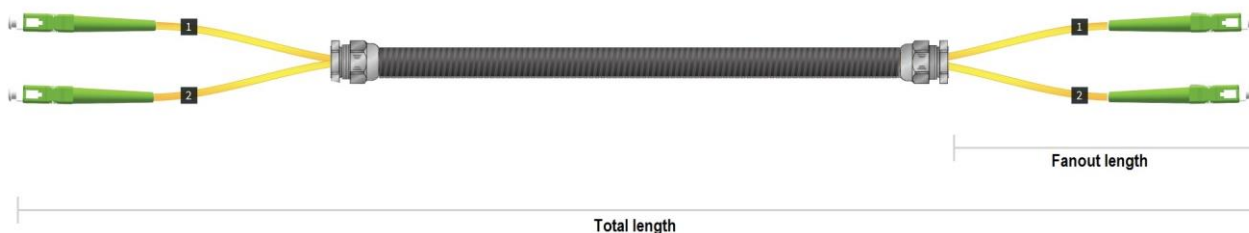
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PVC TUBES	PA 6 TUBES
Compressive strength 320N, under plaster installations Compressive strength 750N – strengthened type, concrete installation Operating temperature: -5 to +60°C Self-extinguishing, flame classification UL94-V0 Colour: grey	Halogen free High flexibility Wide range of sizes Operating temperature: -40 to +120°C Self-extinguishing, flame classification UL94-V2 Colour: black

CONSTRUCTION:



Cable length outside the tube – 50 cm each side with number tags on connectors. Boot colour code is applied when there are two connectors per side. Seams may occur in the course of tube.



Possibility to install a gland on one or both sides of the tube. Size is matched to a tube diameter. Material of glands - polyamide PA6, halogen free, flammability index UL 94-V0. Threads PG 13,5 (tube size 10, 13, 16) and PG 16 (tube size 20, 21) are compatible with FIBRAIN patch panels.

MAX CABLE QUANTITY IN TUBES

	NUMBER (outer Ø)	DIMENSIONS [mm]	SIMPLEX 1.8	DUPLEX 1.8	SIMPLEX 2.8	DUPLEX 2.8
C01 - PVC	16	16/11	18	8	8	4
	20	20/14	26	12	12	6
	25	25/19	46	24	22	12
	32	32/24.5	52	25	24	13
C02 - PVC Strengthened	16	16/11	18	8	8	4
C03 - PA 6	10	10/6.6	6	2	2	1
	13	13/10	12	4	5	2
	16	15.7/12.3	26	12	12	6
	21	21/16.6	36	18	17	9
	28	28.4/23	52	25	24	13

Type:	Patchcords in corrugated tube Compact	REV: 1.1
Ref:	C0x-, see ordering information	
Date:	03.04.2017	KGB
Modification:	19.06.2018	KGB

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WRAPPING AND PACKING:

Patchcords COMPACT are wrapped with stretch film and/or packed in plastic bags (depending on the dimensions of a final product). Possibility of wrapping a patchcord on a drum. Drum's size and type depends on a length and dimensions of a final product).

ORDERING INFORMATION:

Series	Tube type	Connector A		Connector B		Length [m]	Cable type	Fiber type	Cable diameter	Wrapping	Gland	
		Qty.	Type	Qty.	Type						Side A	Side B
C01 (PVC standard)	16 – 16/11	01-52	SC	01-52	SC	002	SX simplex	A G652D	18 - 1,8 mm	1 Foil	0- no	-0 no
	20 – 20/14		SCA		SCA		DX duplex	B G655	28 - 2,8 mm	2 Drum	1- yes	-1 yes
	25 – 25/19		LC		LC			C G656				
	32 – 32/24.5		LCA		LCA			D G657A1				
C02 (PVC strengthened)	16 – 16/11		FC		FC			E G657A2				
C03 (PA 6)	10 – 10/6.6		FCA		FCA			F G657B3				
	13 – 13/10		E2		E2			G G657B3+				
	16 – 15.7/12.3		E2A		E2A			H OM1				
	21 – 21/16.6		ST		ST			I OM2				
	28 – 28.4/23							K OM3				
								L OM4				

C02-16-02SCA-02SCA-020-DX-A-18-1-11 – PATCHCORD IN CORRUGATED TUBE 1 PCS 20M 09/125 SM SCAPC/SCAPC G652D COMPACT

Important notice

Buyer and/or user of this product has to make sure before using this product that it is suitable for the intended use. All questions of liability relating to this product are subject – in accordance with the prevailing – to the Term of Sale of the selling Fibrain subsidiary.