

GOLD GRADE PATCHCORDS & PIGTAILS

Fibrain optical components are specifically designed and based on connectors, which comply with IEC/ PN-EN 61754 and IEC/PN -EN 61755 requirements. Patchcords & Pigtailes of Gold Grade are available in singlemode and multimode option with various type of connectors, cables and optical fibers. Fully automated preparation and polishing process ensure the highest quality and reliability. Therefore, detailed selection of the manufacturing components ensures the highest quality of the product. Patchcords & Pigtailes of Gold Grade are available with 3 different designs of boots, which protect the bend radius of the optical fibers. Apart from standard boots, there are mini and flexi-angle available. The boot in the mini option limits the total length of a connector and boot, whereas the flexi-angle boot is designed to bend in a 0-90° angle range. Available options of the boots are given in the table below. There is no possibility to mix various types of boots on a patchcord- as from the both sides a patchcord is terminated with the same type of boots.

Series	Connector		Boot type	Length	Cable	Fiber	Cable diameter	Color	
	A	B							
G-Gold	SC	SC	S-Standard	001.0	SX patchcord simplex	A SMF G.652D	09 0.9 mm	OR*	
	SCA	SCA	M-Mini		DX patchcord duplex	B SMF G655	16 1.6 mm	Y*	
	LC	LC	F-Flex-angled		P9 pigtail 900 µm	C SMF G656	18 1.8 mm	GR	
	LCA	LCA			PS pigtail simplex cable	D SMF G657A1	24 2.4 mm	GY	
	FC	FC			PD pigtail duplex cable	E SMF G657A2	28 2.8 mm	BL	
	FCA	FCA				F SMF G657B2		BK	
	E2	E2				G SMF 657B3		V	
	E2A	E2A				H MMF OM1		R	
	ST	ST				I MMF OM2		W	
	MU	MU				J MMF OM2+		AQ	
	DIN	DIN				K MMF OM3		BR	
		XX				L MMF OM4		P	

*Standard colors of external tube for 1.6-2.8mm cables, other colors can be ordered by a customer on request. Colors in the table concern 0.9mm tube.

G-SCA-SCA-S-002.0-SX-A-18-Y Fibrain Gold Grade Patchcord, with SC APC connectors at both side, simplex, 2m length, G.652D, 1.8 mm cable diameter, yellow coat.

Available boots

Parameter	Boot type**		
	Standard boots 0.9/2.0/3.0 mm	Mini boots 0.9/2.0/3.0 mm	Flex-Angled boots 2.0/3.0 mm
SC PC	☑	☑	☑
SC APC	☑	☑	☑
LC PC	☑	☑	☑
LC APC	☑	☑	☑
FC PC	☑	☑	-
FC APC	☑	☑	-
ST PC	☑	☑	-
E2000 PC	☑	-	-
E2000 APC	☑	-	-
DIN	☑	-	-
MU	☑	-	-

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Features

- Comply with IEC, TIA/EIA requirements,
- High quality and repeatability of the transmission parameters,
- Connectors are constructed from high quality plastic, resistant to corrosion and high temperatures with UL94-V0 flammability index or the high quality metal resistant to corrosion,
- Good value for money,
- Wide range of available connectors and optical fibers.

Applications

- Telecommunication networks,
- Local area network (LAN),
- FTTx, FTTD, FTTB, FTTH networks,
- CATV solutions,
- CWDM networks.

Technical specifications

Parameter	Connectors		
	SM PC	SM APC	MM PC
Insertion Loss IL_{MAX} against MASTER Acc. IEC 61300-3-4	≤ 0.17 dB	≤ 0.20 dB	≤ 0.20 dB
Insertion Loss IL_{TYP} against MASTER Acc. IEC 61300-3-4	≤ 0.15 dB	≤ 0.16 dB	≤ 0.12 dB
Return Loss Acc. IEC 61300-3-6	≥ 55 dB	≥ 65 dB	≥ 35 dB