













TITANIUM GRADE PATCHCORDS & PIGTAILS

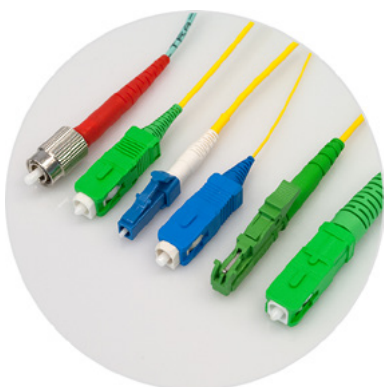
Fibrain Titanium series of patchcords and pigtails is intended for the most demanding customers. High optical parameters, premium quality and precise selection of the components are the characteristic features of the Titanium Grade. Fibrain optical components are specifically designed and based on connectors, which comply with IEC/ PN-EN 61754 and IEC/PN -EN 61755 requirements. Patchcords and pigtails of Titanium Grade are available in singlemode 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 final component.

Patchcords and pigtails of Titanium Grade are available 3 different designs of boots, which protect a bend radius of the optical fibers. Apart from standard boots there are mini and flexi-angles 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 type 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							
T-Titanium	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						R	
		XX						W	
								AQ	
								BR	
								P	

*Standard colors of a tube for 1.6-2.8 mm cables, other colors available on customer's request. The rest of colors concern a 0.9 mm tube.

T-SCA-SCA-S-002.0-SX-D-28-Y Fibrain Titanium Grade Patchcord, with SC APC connectors at both side, simplex, 2m length, G.657A1, 2.8 mm cable diameter, yellow coat.



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 flammability index UL94-V0 or the high quality metal resistant to corrosion,
- Good value for money,
- High quality ceramic ferrules,
- Low attenuation and high reflectance,
- Wide range of available connectors and optical fibers.



Applications

- Telecommunication networks,
- Local area network (LAN),
- FTTx, FTTD, FTTB, FTH networks,
- CATV solutions,
- CWDM networks,
- Low voltage networks,
- Measuring devices.

Technical specifications

Parameter	SM PC Connectors	SM APC Connectors
Insertion Loss IL_{MAX} against MASTER Acc. IEC 61300-3-4	≤ 0.12 dB	≤ 0.15 dB
Insertion Loss IL_{TYP} against MASTER Acc. IEC 61300-3-4	≤ 0.10 dB	≤ 0.12 dB
Return Loss Acc. IEC 61300-3-6	≥ 55 dB	≥ 65 dB