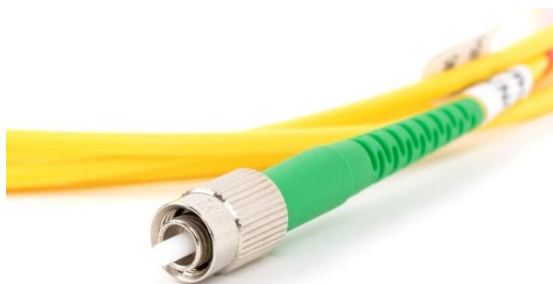


FC Patchcord

Description:

The patchcords with FC connector type are designed and manufactured according JIS, IEC, EIA/TIA and ANSI specifications for intermateability and optical performance. The FC connectors are offered for MM or SM applications, with PC and APC polishing method.



Features:

- Pull proof
- Meets FC connector standard
- Available both standards:
NPC205 - Methode, Seikoh Giken, JDSU
NPC215 – Seiko Instruments
- Pre-radiused ceramic ferrules configured for Ultra PC and APC polishing
- Pre-assembled option simplifies field termination
- Ferrule assembly has high resolution tuning feature
- Dust cover

Specifications:

	SM Ultra PC Grade B	SM Ultra PC Grade A	SM Angle PC Grade C	SM Angle PC Grade B	SM Angle PC Grade A	SM Angle PC Grade A+
Insertion loss (IL) (IEC 61300-3-4)	0.12 dB typ 0.25 dB 97%	0.06 dB typ 0.15 dB 97%	0.25 dB typ 0.50 dB 97%	0.15 dB typ 0.25 dB 97%	0.06 dB typ 0.15 dB 97%	0.10 dB max
Return loss (RL ¹) (IEC 61300-3-6)	>50 dB	>55 dB	>60 dB	>65 dB	>65 dB	>85 dB ¹
Strain relief	100 N ²					
Operating temperature	-40°C to +85°C ²					
Durability	min 1000 cycles					
Assembly procedure	glue and polish					
Connection	physical contact					
Lock mechanism	coupling nut					
Standards	JIS 5970, EIA/TIA FOCIS, IEC 61754-13, EN 50377-2					
Ferrule material	full ceramic zirconia					
Connector material	thermoplastic, zinc alloy nickel plated					
Adapter material	polymer composite, zinc alloy					
Material						
Coupling Nut	zinc alloy, nickel plated					
Rear Body	zinc alloy, nickel plated					
Ferrule Material	full ceramic zirconia					
Crimp Sleeve	aluminium					
Boot and Dust Cover	thermoplastic rubber (flame retardant)					

Note: 1) RL >85 dB measured with low coherence reflectometry (IEC 61300-3-6 method 3 OLCR), RL valid for patchcord length ≤ 1.5 m
2) Conditioned by the type of cable
3) MM: IL=0.15 dB typ, RL>30 dB

Applications:

- Telecom
- LAN, WAN
- CATV, sensor systems, measuring technique
- Utilities, railways

Ordering code:

AAA - XXYYY - XX - (XX)⁴ - XXX

AAA - connector

Type	Description
PC	FC/PC (MM)
UPC	FC/UPC, Grade B
UPCA	FC/UPC, Grade A ⁸
NPC⁷	FC/APC, Grade C
NPCB	FC/APC, Grade B
NPCA	FC/APC, Grade A ⁸
NPCA1	FC/APC, Grade A+ ⁸

XX-color

XXX- length [m]

X - type (pigtail or jumper)

J Jumper, patchcord

PT pigtail tight buffered, strip in one shot < 10 cm

PS pigtail semitight, strip in one shot 20-30 cm

PD pigtail easy strip > 100 cm

XX - diameter of cable, fiber

09 fiber Ø 0.9 mm

17 cable Ø 1.7 mm

20 cable Ø 2.0 mm

24 cable Ø 2.4 mm

28 cable Ø 2.8 mm

30 cable Ø 3.0 mm

D8 duplex zipcord 2.8x5.5 mm

YYY - type of fiber

OM1 MM 62.5/125 µm

OM2-5 MM 50/125 µm

S2D SM 9/125 µm (G.652D)

S5X^{5,6} SM 9/125 µm (G.655X)

S6 SM 9/125 µm (G.656)

S7X⁵ SM 9/125 µm (G.657X)

D/A1 G.652D & G.657A1

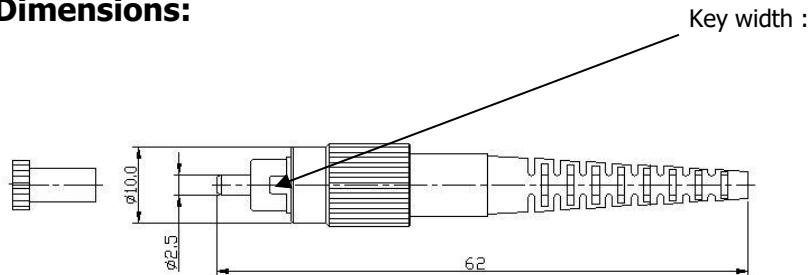
Note:

- 4) not filled when color is not defined
- 5) X – according fiber subtype (e.g. G.657.A1,A2,B3)
- 6) G.655 – various types available (TrueWave, Reduced Slope, TeraLight, Leaf, ...)
- 7) NPC – 2.05 mm standard key width
NPC215 -2.15 mm on demand
- 8) Grade A, A+ is not available for duplex patchcords

Color code:

BK	BN	RD	OG	YE	GN	BU	VT	GY	WH	PK	TQ
Black	Brown	Red	Orange	Yellow	Green	Blue	Violet	Grey	White	Pink	Turquoise

Dimensions:



Key width :	FC/PC:	
	all types	2.00 mm
	FC/APC:	
	NPC:	2.05 mm
	NPC215:	2.15 mm

Samples:

NPC-28S2D-J-003



UPC-09S7A-P-002

