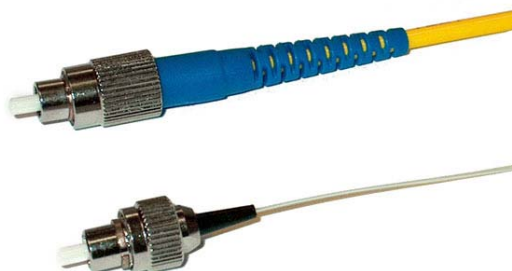


FC Patchcord

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:

Insertion loss (IL) (IEC 61300-3-4)	MM	SM Ultra PC		SM Angle PC		
	PC	UPC	UPC1	NPC	NPC2	NPC1
	0.40 dB typ 0.50 dB max	0.15 dB typ 0.25 dB max	0.10 max	0.25 dB typ 0.50 dB max	0.15 dB typ 0.25 dB max	0.1 dB max
Return loss (RL) (IEC 61300-3-6) ¹	≥30 dB	≥50 ¹ dB	≥55 ¹ dB	≥60 ¹ dB	≥65 ¹ dB	≥80 dB ²
Strain relief	300 N					
Operating temperature	-40°C to +80°C ³					
Durability	min 1000 cycles					
Assembly procedure	glue and polish					
Connection	physical contact					
Lock mechanism	coupling nut					
Standards	JIS 5970, EIA/TIA FOCIS, CENELEC					
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) method 1 – OCWR: measurement with an optical continuous wave reflectometer
2) method 3 – OLCR: measurement with an optical low coherence reflectometry
3) conditioned by the type of cable

Applications:

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

Ordering code:

AAA - XX XXX - XX - (XX)⁴ - XXX

AAA	
Connector Type	Connector Description
PC	FC/PC (MM)
UPC/SPC	FC/UPC
UPC1	FC/UPC, Premium Class 1
NPC	FC/APC, 2.05 ⁵ standard
NPC1	FC/APC, Premium Class 1
NPC2	FC/APC, Premium Class 2

XX-color XXX- length [m]

X - type (pigtail or jumper)
J jumper

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

Insertion Loss:
Premium Class 1 ≤ 0.10 dB
Premium Class 2 ≤ 0.25 dB

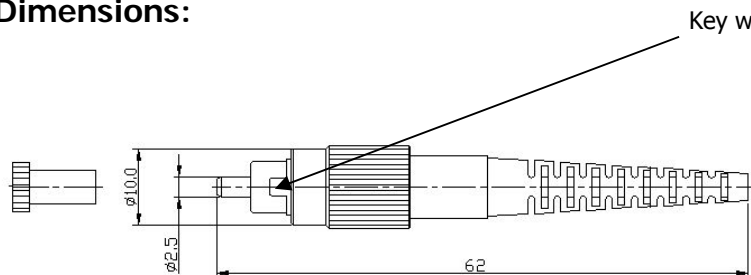
Note:

- 4) not filled when color is not defined
- 5) 2.05 mm standard key width
2.15 mm on demand (NPC215)
- 6) X – according fiber subtype (e.g. G.657A)

XX - diameter of cable, fiber	XXX - type of fiber
09 fiber Ø 0.9 mm	OM1/M6 MM 62.5/125 µm
17 cable Ø 1.7 mm	OM2/M5 MM 50/125 µm
20 cable Ø 2.0 mm	OM3/M3 MM 50/125 µm
24 cable Ø 2.4 mm	OM4 MM 50/125 µm
28 cable Ø 2.8 mm	S2D/SM SM 9/125 µm (G.652D)
30 cable Ø 3.0 mm	S5X ⁶ SM 9/125 µm (G.655X)
RF ribbon fiber	S7X ⁶ SM 9/125 µm (G.657X)
RC ribbon cable	DS dispersion shifted
	TW TrueWave
	RS TrueWave - RS
	TL TeraLight
	LE Leaf

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: 2.00 mm
 FC/APC: 2.05 mm
 NPC: 2.05 mm
 NPC215: 2.15 mm

Samples:

NPC-28 S2D-J-002



UPC-09 S7A-P-002

