

SC Patchcord

Description:

The OPTOKON SC patchcords are manufactured according to JIS, IEC, EIA/TIA and ANSI specifications for intermateability and optical performance. The SC patchcords are offered for both SM applications, with PC and APC polishing method. All OPTOKON connectors now come with the laser printed OPTOKON logo and patchcord cables are produced by OPTOKON Kable factory and have a LSZH (Low Smoke Zero Halogen) cable jacket, are 0.9 mm Easy Strip buffer type and bend insensitive ITU-T G.657.A2 fiber.

Customized patchcord cable diameter and color according to demand is available. Set of twelve colored pigtailed are packed in a plastic bag, individually tested (label with test results and product description on bag) and come with a lifetime guarantee.

Features:



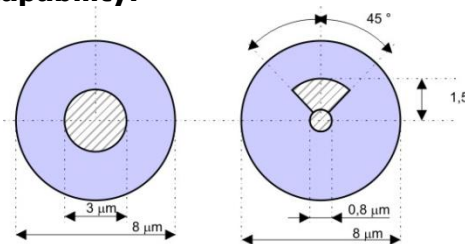
- Excellent geometrical and transmission parameters
- High mechanical resistance – pull proof
- Meets SC connector standards
- Available SM, MM simplex or duplex connector, duplex clip available separately
- Set of colored pigtailed available
- Pre-radiused ceramic ferrules configured for Ultra PC and Angle PC polishing
- Ferrule assembly has high resolution tuning feature

Specifications:

Insertion loss (IL) (IEC 61300-3-4)	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+
		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%
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	snap-on					
Standards	ISO/IEC 11801, TIA 568A, IEC 61755-4, EN-50377-4					
Ferrule material	full ceramic zirconia					
Connector material	thermoplastic, zinc alloy nickel plated					
Adapter material	polymer composite, zinc alloy					
More detailed parameters refer to Technical specifications: MM: G01SC SM: G03SC-PC_CE, G04SC-APC_CE						

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

Tuning capability:



Untuned core
Standard patchcord
Fiber core is positioned inside the black area

Tuned core
Master patchcord, Premium class

Application:

- Telecom
- LAN, WAN
- CATV
- Sensor Systems
- Measuring Technique
- Utilities, Railways

Ordering code:

(2x)⁴AAA (D) - XXYYYY - XX - (CC)⁵ - LLL

AAA - Connector	
Type	Description
SC	SC/PC (MM)
SCP	SC/PC (MM) Premium Class
USC	SC/UPC, Grade B
USCA	SC/UPC, Grade A ⁸
NSC	SC/APC, Grade C
NSCB	SC/APC, Grade B
NSCA	SC/APC, Grade A ⁸
NSCA1	SC/APC, Grade A+ ⁸
N9SC	SC/APC 9° angled
(D)	Duplex connector
(DU)	Duplex uniboot connector

CC - Color

LLL - Length (m)

XX - Type (pigtail or jumper)

- J** single jumper
- JC** duplex jumper, A-B crossed
- JS** duplex jumper, A-A straight
- PT** pigtail tight buffered, strip in one shot < 10 cm
- PS** semitight 20-30 cm in one shot
- 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

YYY - Type of fiber

- OM1** MM 62.5/125 µm
- OM2-5** MM 50/125 µm
- S2D** SM 9/125 µm (G.652D)
- S5X^{6,7}** SM 9/125 µm (G.655X)
- S6** SM 9/125 µm (G.656)
- S7X⁶** SM 9/125 µm (G.657X)
- D/A1** G.652D & G.657A1

- D1** Duplex minizip 1.8 x 3.5 mm
- D2** Dualan cable Ø 2.9 mm
- D3** Duplex zipcord 2.0 x 4.2 mm
- D4** Duplex zipcord 2.4 x 5.0 mm
- D8** Duplex zipcord 2.8 x 5.5 mm
- DT** Duplex twin 3.1 x 5.2 mm
- 2D** 2D FTTH cable (OPK-U-DRPM-2(2x0,25)FFTH)

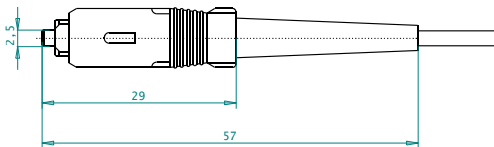
Note:

- 4) Two simple connectors in case duplex patchcord
- 5) Not filled when color is not defined
- 6) X - according fiber subtype (e.g. G.657.A1, A2, B3)
- 7) G.655 - various types available (TrueWave, Reduced Slope, TeraLight, Leaf, ...)
- 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:



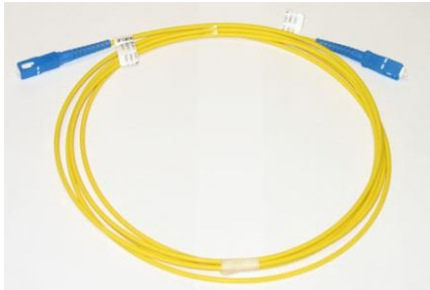
JC duplex **crossed** patchcord
A-to-B



JS duplex **straight** patchcord
A-to-A

Samples:

USC-28S7A2-J-003



USCD-D8S2D-JC-010



USCDU-D2S7A1-JC-002



Duplex uniboot