

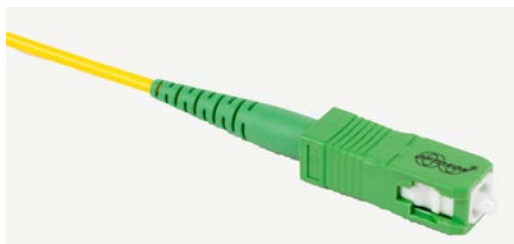
# SC Patchcord

## 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:



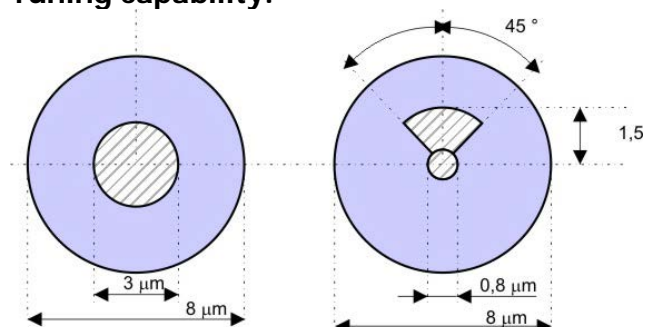
- Excellent geometrical and transmission parameters
- High mechanical resistance – pull proof
- Meets SC connector standards
- Available SM, MM simplex or duplex connector, duplex clip available separately
- Set of colored pigtailed available
- Pre-radiused ceramic ferrules configured for Ultra PC and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

## Specifications:

Insertion loss (IL) (IEC 61300-3-4)	MM	SM Ultra PC	SM Angle PC	SM Angle PC Premium
		0.15 dB typ	0.15/0.25 dB typ/max	0.15/0.50 dB typ/max
Return loss (RL) (IEC 61300-3-6)	>30 dB	>50 dB	>60 dB	>85 dB <sup>1</sup>
Strain relief	200 N			
Operating temperature	-40°C to +85°C <sup>2</sup>			
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)  
 2) Conditioned by the type of cable

## Tuning capability:



Untuned core  
Standard patchcord

Tuned core  
Master patchcord  
Premium class

Fiber core is positioned inside the black area

## Application:

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

Ordering code:

AAA (D) - XXYYY - XX - (CC)<sup>3</sup> - LLL

AAA - Connector	
Type	Description
SC	SC/PC (MM)
USC/SSC	SC/UPC
USC1	SC/UPC Premium Class 1
NSC	SC/APC
N9SC	SC/APC 9° angled
NSC1	SC/APC Premium Class 1
NSC2	SC/APC Premium Class 2
(D)	duplex connector
(DU)	duplex uniboot connector

CC - color

LLL - length (m)

XX - type (pigtail or jumper)

JC	jumper A-B crossed
JS	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/M6	MM 62.5/125 µm
OM2/M5	MM 50/125 µm
OM3/M3	MM 50/125 µm
OM4	MM 50/125 µm
S2D/SM	SM 9/125 µm
(G.652D) S5X <sup>3</sup>	SM 9/125 µm
(G.655X) S7X <sup>3</sup>	SM 9/125 µm
(G.657X)	

Insertion Loss:

Premium Class (MM)	≤ 0.30 dB
Premium Class 1	≤ 0.10 dB
Premium Class 2	≤ 0.25 dB

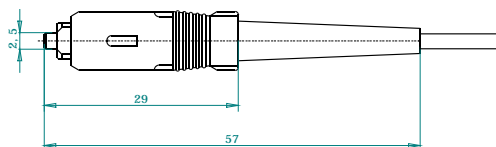
D1	duplex minizip 1.8 x 3.5 mm
D2	dualan cable Ø 2.9 mm
D3	duplex zipcord 2.0 x 4.2 mm
D4	duplex zipcord 2.4 x 5.0 mm
D8	duplex zipcord 2.8 x 5.5 mm
DT	duplex twin 3.1 x 5.2 mm
2D	2D FTTH cable (OPK-U-DRPM-2(2x0,25)FFTH)

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

Note: 3) not filled when color is not defined  
 4) SCD or SCDU: duplex patchcord with duplex connector;  
 2 x SC: duplex patchcord with 2 single connectors  
 5) X: according fiber subtypes (e.g. S7A2 – G.657A2)

Dimensions:



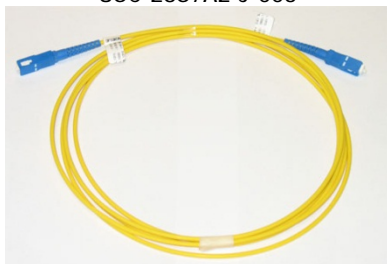
JC duplex **crossed** patchcord  
A-to-B



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

Samples:

USC-28S7A2-J-003



SCD-D8S7A2-J-010



USC DU-D2S7A1-J-002



Duplex uniboot