

SC Shuttered Connector Patchcord

Description:

OPTOKON offers patchcords, optical connection modules designed for home use in FTTH networks. Patchcords are equipped with SC connectors with a shutter, which protects the connector itself from contamination or damage that could occur during manipulation in the end user's conditions. The shutter also protects the operator from the effects of laser radiation when connecting the user's end device to the FTTH network. During the connection process, the shutter in the connection port moves away and does not prevent the transmission of the optical signal. When the connector is disconnected and removed from the coupling, the shutter closes again automatically.

The Shuttered SC Connector offers eye protection with a unique internal shutter mechanism that blocks the light path when it is not installed. Ideal for applications where the user may be untrained or connecting to energized equipment.



Features:

- Integral laser shutter mechanism
- Interface complies with IEC 61754-4
- Boot type 3 mm
- UL-Rated housing and boots
- Excellent transmission parameters
- High mechanical resistance – pull proof
- Meets SC connector standards

Specifications:

	SM Angle PC Grade C	SM Angle PC Grade B	SM Angle PC Grade A
Insertion loss (IL) (IEC 61300-3-34)	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)	>60 dB	>65 dB	>65 dB
Operating temperature	-40°C to +75°C		
Storage temperature	-40°C to +75°C		
Tensile strength	100 N		
Durability	<0.1 dB typical change, 500 matings		
Strain relief	100 N		
Assembly procedure	glue and polish		
Connection	physical contact		
Lock mechanism	snap-on		
Standards	ISO/IEC 11801, TIA 568A, IEC 61755-4, ČSN/EN/IEC 61754-15, EN-50377-4		
Ferrule material	full ceramic zirconia		
Connector material	thermoplastic		
Adapter material	polymer composite, zinc alloy		

Note: 1) Mated connectors, over full temperature range

Ordering code:

NSCSH(B,A)		-	30B3	-	J	-	WH ²	-	02 ³
Connector type							WH - color		02 – length (m)
SC/APC with shutter									
NSCSH Grade C					J	Jumper - patchcord			
NSCSHB Grade B									
NSCSHA Grade A									
		Diameter of cable		Type of fiber					
		30 cable Ø 3.0 mm		B3 G.657.B3					

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: 2) cable – white color
3) length = 2 m, other on request

Application:

NSCSH-30B3-J-WH-02

SC/APC grade C connector with shutter, white cable Ø 3.0 mm, G.657.B3 fiber, 2 m length