DATASHEET

Senko Connector FC SM 3.0mm Connector (Metall) Boot (black)



General data

High-quality FC connector from Senko in metal/blue for the production and connection of fibre optic cables. The connector is designed for single-mode applications according to OS2 and is designed as a fibre optic connector FC single-mode for crimping in metal design.

• Suitable for single-mode fibre applications according to OS2 – Supports optical connections in suitable single-mode installations and is tuned for this fibre class.
• FC connector type in connector type with crimp connection type – Allows for standardised mounting of fibre optic cables and provides a well-defined connection.
• Ferrule with PC and scope of delivery as a plug set including black strain-relief boot – Supports optical coupling and facilitates complete assembly with additional mechanical protection.

The connector is based on a crimp connection type and a ferrule with PC. The version is intended for cables with a diameter of 3 mm. The connector in metal/blue is complemented by a black strain-relief boot and is supplied as a complete set.

Technical details
• Connector type: FC
• Type: Plug
• Connection type: Crimping
• Fibre class: OS2
• Suitable for fibre type: Single-mode
• Cable Ø: 3 mm
• Ferrule angle: PC
• Brand: Senko
• Colour: metal/blue
• Strain-relief boot colour: black
• Scope of delivery: 1x FC plug set, 1x FC strain-relief boot

Technical properties

Connection type	Crimping
Durability	< 0.2db at 500 connection cycles
Inner diameter of the ferrule	127 µm
Material of ferrule	Circonia
Model	Plug

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Operating temperature	-40 – 75 °C
Packaging	Polybag
Scope of delivery	1x FC Connector Kit, 1x FC Boot
Storage Temperature	-40 – 75 °C
Type of connector	FC

Available variants

ArtNr.	Bezeichnung	Anti-kink sleeve	Cable Ø	Colour	Suitable for type of fibre	Ferrule angle	Ferrule outer diameter	Typ. insertion Loss	Max. insertion Loss	Ferrule inner diameter	Return Loss		
53216.3	Connector FC MM 3.0mm Connector (Metall) Boot (black)	black	3.0 mm	metal	Multi mode	0° UPC	2.5 mm	≤0.20 dB	≤0.30 dB	125 µm	≥35 dB		
53216.4	Connector FC MM 2.0mm Connector (Metall) Boot (red)	red	2.0 mm	metal	Multi mode	0° UPC	2.5 mm	≤0.20 dB	≤0.30 dB	125 µm	≥35 dB		
53227.3	Senko Connector FC SM 3.0mm Connector (Metall) Boot (black)	black	3.0 mm	metal/blue	OS2	Single mode	0° UPC	28.0 mm	2.5 mm	≤0.08 dB	≤0.20 dB	125 µm	≥55 dB
53227.4	Senko Connector FC SM 3.0mm Connector (Metall) Boot (red)	red	3.0 mm	metal/blue	OS2	Single mode	0° UPC	28.0 mm	2.5 mm	≤0.08 dB	≤0.20 dB	125 µm	≥55 dB
53227.5	Senko Connector FC/APC SM 3.0mm Connector (Metall) Boot (green)	green	3.0 mm	metal/green	OS2	Single mode	8° APC	28.0 mm	2.5 mm	≤0.07 dB	≤0.15 dB	125 µm	≥65 dB

Note on Intended Use

This data sheet is intended solely to describe the technical characteristics of the product. It does not replace an assessment of the product's suitability for a specific application. The user is responsible for ensuring that the product is used in accordance with its technical specifications and applicable legal and regulatory requirements.

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