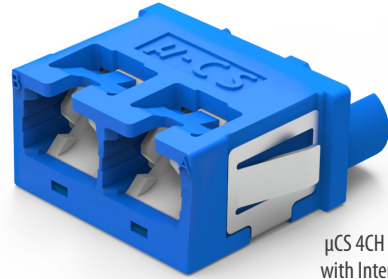


## **Micro CS**<sup>®</sup> **ADAPTER**

### **Internal Shutters** **2-Channel (4F)**



µCS 4CH (8F) Adapter  
with Internal Shutters

SENKO's 2-Channel (4f), shuttered, Micro CS<sup>®</sup> adapter is designed to provide maximum packing density at the front of patch panels while significantly reducing the space consumption at the rear of the panel for BTW (Behind The Wall) connectivity. Combined with Micro CS<sup>®</sup> connectors, as much as 20 mm can be saved compared with standard adapters and connectors, making it the ideal solution for optoelectronic applications requiring circuit boards or other vital components to share the same space as fiber optic connectivity.

This shuttered adapter enhances ingress protection and laser safety during regular Moves, Adds, and Changes (MACs) in network operations. The adapter incorporates an internal shutter that only opens when the outer body of the CS<sup>®</sup> connector makes contact during insertion. This automatic operation streamlines the patching process and eliminates the need for individual dust plugs that are often misplaced or lost. The shutter material is crafted from a special translucent substance, enabling technicians to trace the adapter port using a visible light source from the other end of the link. Additionally, this material possesses a low refractive index, effectively reducing the harmful light that may emanate from the adapter during operation.

#### FEATURES

- Premium one-piece body design
- Up to 360 fibers per 1RU
- Integrated shutter reduces impact of dust and dirt ingress
- Accepts CS<sup>®</sup> standard and junior connectors
- Supports 200G/400G VSFF connectivity
- Color-coded for rapid identification of fiber-type
- Telcordia, ANSI, TIA and IEC compliant
- Identification aperture for fast and simple connector alignment

#### APPLICATIONS

- High-density patch panels
- LGX patching modules
- MPO-CS<sup>®</sup> transition modules and panels
- Opto-electronic equipment
- WDM equipment
- MUX and DEMUX equipment
- Mass server consolidation EoR, MoR

#### KEY BENEFITS

- ✓ **Maximum BTW space-saving**
- ✓ **Integrated shutters**

## Mechanical Data

	Value
Durability	500 matings per TIA-568
Fixing Method	Snap-fit ( <i>adapter without flange</i> ) or screw and nut ( <i>adapter with flange</i> )
Housing Material Type	Plastic
Fixing Spring Material Type	Metal stainless steel
Sleeve Material	Zirconia
Dust Protection Method	Integrated shutter mechanism ( <i>operated by connector insertion</i> )

## Optical Data

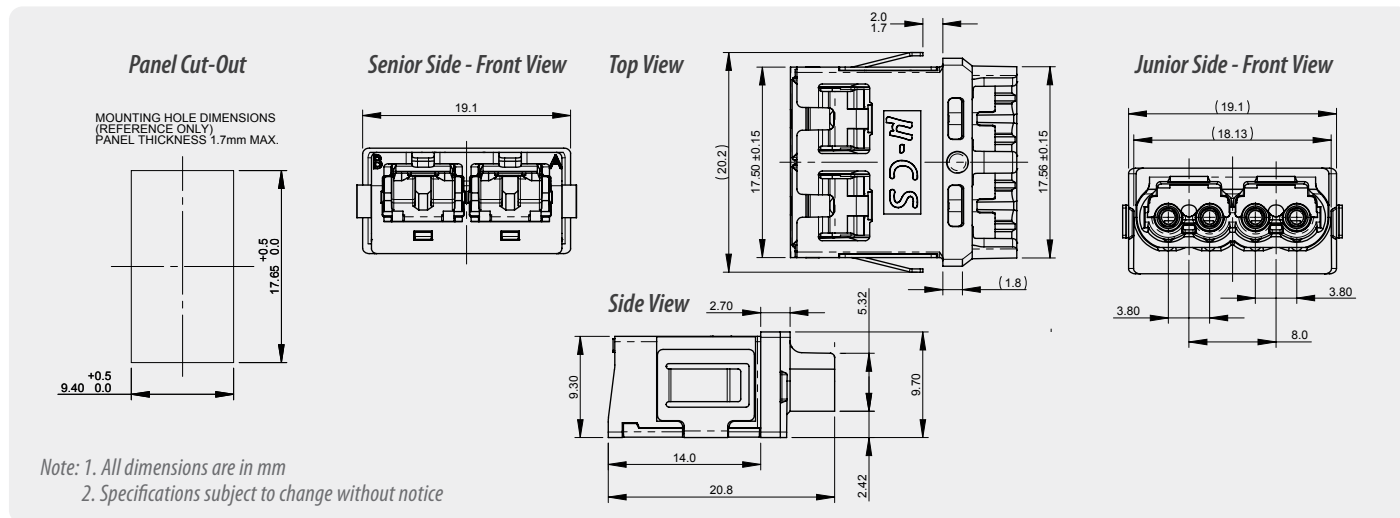
	Value
Typical Insertion Loss (dB)*	0.10
Max. Insertion Loss (dB)*	0.20

\* Based on master grade jumper to low loss random mating test

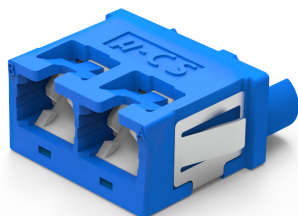
## Environmental Data

	Value
Operating Temperature	-40°C to +75°C
RoHS Compliance	2015/863 RoHS
REACH Compliance	Yes
Free of Halogen	Yes
Humidity Resistance	95%

## 2-Channel Adapter Drawing



### ORDERING



Micro 2-Channel (4F) Shuttered Adapter

ADAPTER TYPE		FLANGE		HOUSING COLOR	
<b>682US</b>	µCS 2-Channel (4F) Shuttered Adapter	<b>1</b>	With Flange	<b>1</b>	Blue
		<b>2</b>	Without Flange	<b>3</b>	Green
				<b>7</b>	Heather Violet
				<b>9</b>	Aqua

**682US** - **11** ORDER CODE example

Note: Adapter supplied with protective dust-cap on both sides

# SENKO<sup>®</sup>

Advanced Components

[sales@senko.com](mailto:sales@senko.com)  
1-858-623-3300

[senko.com/contact](https://senko.com/contact)