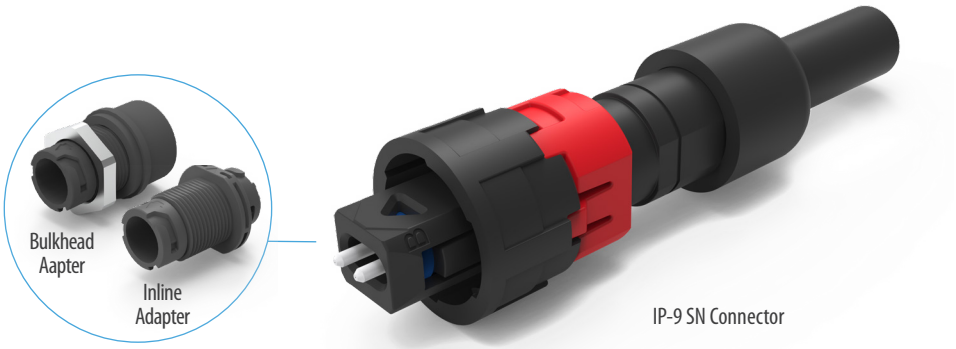
DATA SHEET

Capture the QR code to receive more information about the IP connectors and adapters

SENKO® Advanced Components

IP-9 SN SERIES
Connector Bulkhead and Inline Adapter



The compact SENKO IP-9 connector series boasts a sturdy design within a small 20 mm OD housing. Using a patented "Safe Lock Ring" technology and bayonet mating mechanism, this connector offers a secure and visually-assured connection. Its IP68 rated housing makes it ideal for harsh environmental applications, including FTTA and FTTx deployments. When integrated into pre-terminated solutions, the IP-9 connector guarantees maximum performance and repeatability across the network.

Combining IP-9 connectors with bulkhead adapters allows for quick "plug & play" deployment of pre-terminated closures and drop cables in the field.

Additionally, the IP-9 SN Connector offers Duplex SN® connectivity, the next generation VSFF (Very Small Form Factor) with Senko's premium standard ceramic ferrule. Having duplex fibers in one connector housing makes most of the Base-2 outdoor assemblies more space-efficient.

FEATURES

- IP68 rated hardened connector
- Small Footprint for space saving
- Lightweight, yet rugged plastic body
- Bayonet lock with patented Safe Lock Ring
- UV resistance for outdoor applications
- 100lbs superior pull force
- Easy and quick termination
- Compatible with 3.0-5.5mm OD cable

APPLICATIONS

- FTTx, FTTH, FTTA
- Broadcast
- Military
- Industrial
- Transport
- Renewable energy

KEY BENEFITS

- **Small footprint duplex fiber connector**
- **IP68 robust housing**
- **100lbs pull force**

Mechanical Data

	Value
Flex	0°/+90°/-90° for 8 cycles
Proof	100 lbf or 450 N for 120 seconds
TWAL	0°/90° for 30 minutes
Durability	50 matings
Impact	5-foot drop
Fiber Count	Duplex *(2 fibers)*
Cable Suitability	3.0 - 5.5 mm round

Optical Data

	Singlemode				Multimode
	UPC		APC		MM
	Low Loss	Standard	Low Loss	Standard	Standard
Typical Insertion Loss (dB)*	0.05	0.08	0.07	0.12	0.10
Max. Insertion Loss (dB)*	0.15	0.20	0.15	0.25	0.20
Typical Return Loss (dB)*	≥55		≥65		≥25

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

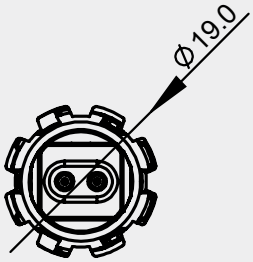
Environmental Data

	Value
IP Rating*	IP68
Operating Temperature (C)	-40°C to +75°C
UV Resistance	Yes
RoHS Compliance	2015/863 RoHS
REACH Compliance	Yes

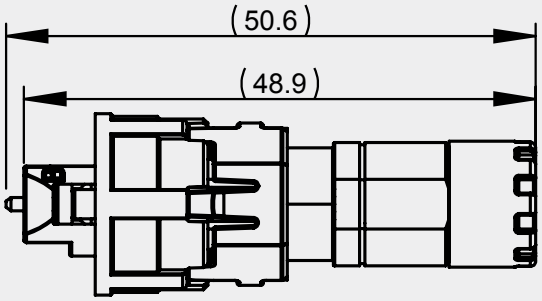
* *The IP rating was validated using a SENKO sourced cable and termination procedure. It is recommended to retest IP rating for any other cable types.*

Connector Drawing

Front View



Side View



Note: 1. All dimensions are in mm
2. Specifications subject to change without notice
3. Heat shrink tube and tether not included

ORDERING

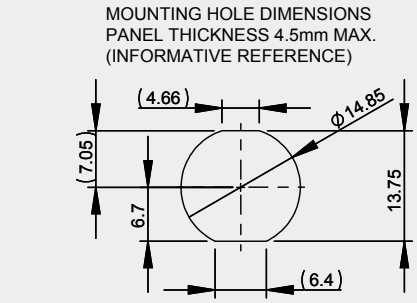
IP-9 SN Connector
UPC

CODE	CONNECTOR TYPE		PERFORMANCE		FIBER COUNT		CABLE SIZE		IP DUST CAP	
IP09C4	SN	SN Connector	1	SM UPC	02	2 FIber	3.0	3.0-3.2 mm	D	With Dust Cap
			5	SM APC Cone Not Angled			4.5	4.3-4.6 mm		
							4.8	4.7-4.9 mm		
							5.5	5.0-5.5 mm		

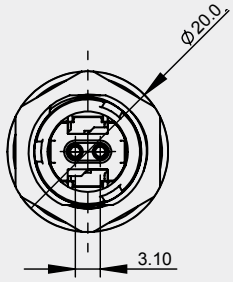
IP09C4 - SN601 - 3.0 - D ORDER CODE example

Bulkhead Adapter Drawing

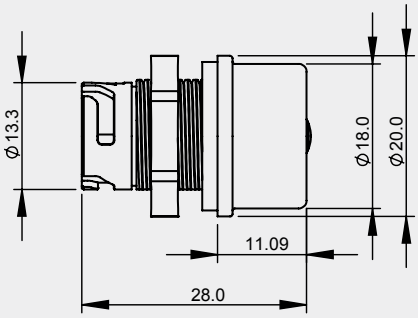
Panel Cut-Out



Front View



Side View

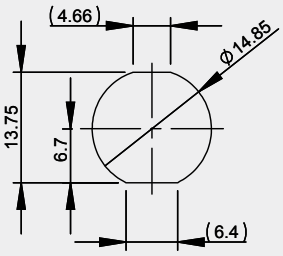


Note: 1. All dimensions are in mm
2. Specifications subject to change without notice
3. Tether not included

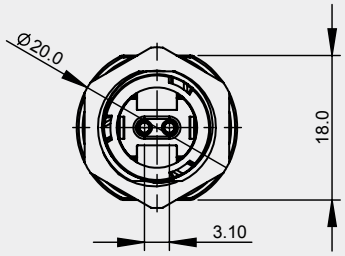
Inline Adapter Drawing

Panel Cut-Out

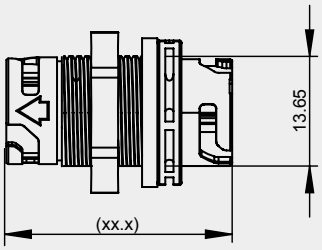
MOUNT HOLE DIMENSIONS
PANEL THICKNESS 5.5mm MAX.
(INFORMATIVE REFERENCE ONLY)



Front View



Side View



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ORDERING

IP-9 SN Bulkhead Adapter

CODE	ADAPTER TYPE	TYPE	PORT	LOCK RING	IP DUST CAP
IP09	AB1 Bulkhead Adapter	SN SN Adapter	1 1 Port	00 With Lock Ring and Gasket	D With Dust Cap

IP-9 SN Inline Adapter

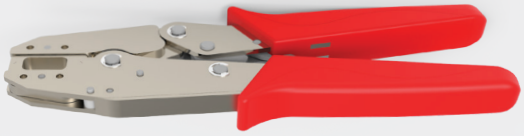
CODE	ADAPTER TYPE	TYPE	PORT	LOCK RING	IP DUST CAP
IP09	AL1 Inline Adapter	SN SN Adapter	1 1 Port	00 With Lock Ring and Gasket	D With Dust Cap
				NN Without Lock Ring and Gasket	DD With Two Dust Caps

IP09AL1 - SN1NN - D ORDER CODE example

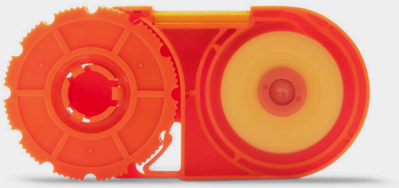
Accessories - Production/Cleaning

ONE-CLICK DUPLEX SN
PN: SCK-DC-SN

IP-9 Crimping Fixture
PN: CRT-IP9-01



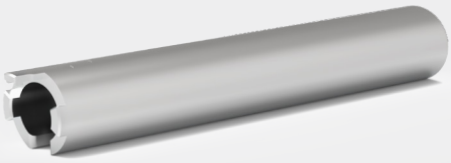
Smart Cleaner™
Cassette
PN: SCK-CC-100



IP-9 Crimp Tool
PN: AST-IP9-02

Accessories - Installation

IP-9 Installation Tool
PN: IP09-INS-01



IP-9 Port Blocker
PN: IP09PB1-01

SENKO®
Advanced Components

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