Smart Solutions for the Fiber Optic Industry

Harsh Environment Interconnect
Catalogue Edition 2.1

- Easy assembly
- Indoor/outdoor applications
- Maximize your saving

Senko Group Advanced Components
## HARSH ENVIRONMENT PRODUCTS

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- IP ONE pg. 10
- IP SERIES WITH SAFE LOCK pg. 14
- IP FAN OUT KIT pg. 16
- IP DISTRIBUTION BOX pg. 20
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## HARSH ENVIRONMENT ACCESSORIES

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- PSA PRE-TERMINATION KIT pg. 26
- RUGGEDIZED FAN-OUT pg. 27
- SMART CLEANER pg. 28
- SMART PROBE pg. 30
- SMART CHECKER pg. 31
Senko’s Harsh Environment IP Product Range

Connecting your challenging Communications

Markets
- Broadcast
- Commercial
- Domestic
- Education
- Medical
- Maritime
- Military
- Oil and Gas
- Telecoms
- Transport
- Renewable Energy

Applications
- Carrier Class WiFi Applications
- Distributed Antenna Systems
- Small Cell Systems
- Industrial/Oil/Gas Applications
- Stadium / Large Venue Applications
- Telecom Applications
- Transportation Applications
- Security / CCTV Applications
- Broadcast Applications

Diagram showing various applications and markets related to communications.
IP-Series
Weatherproof Connector

The SENKO harsh environment (IP) range of connectors are designed to be used outdoor and provide many years of reliable service. They incorporate a bayonet system which enables quick and reliable installation even when engineers are wearing gloves.

FTTA
Simple connectivity solution with fiber for LTE, DAS, and Mobile Cell tower

Withstand the Elements

FEATURES
- Cost effective solution for in house termination
- IP water immersion and dust protection for harsh environment
- Wide range of operational temperature for outside plant: −40°C/70°C
- Compatible with a wide range of cables, 5-8mm OD cable with two 2.0mm to 3.0mm jacketed subunits
- Chemical Resistance
- Intermateable to other Industrial LC adaptor per IEC 60603-7
- Simple assembly requiring no special tools
- Durable mechanical mating
- The XP versions allow installers to terminate connectors in the field
- ODVA Compatible
- 100lbs Superior pull force
- Patent design
- Feed-through
- The XP versions allow installers to terminate connectors in the field
- ODVA Compatible
- Simple assembly requiring no special tools
- Durable mechanical mating
- Compatible with a wide range of cables, 5-8mm OD cable with two 2.0mm to 3.0mm jacketed subunits
- Chemical Resistance
- Intermateable to other Industrial LC adaptor per IEC 60603-7

APPLICATIONS
- Telecoms
- Broadcast
- Commercial
- Domestic
- Education
- Medical
- Maritime
- Military
- Oil and Gas
- Transport
- Renewable Energy

OPTICAL ELECRICAL

IP-Series GOES HYBRID

IP-ONE
Optical ‘N’ Electrical
Power/Fiber combined

TYPICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th></th>
<th>IP-LC</th>
<th>IP-SC</th>
<th>IP-MPO Low Loss</th>
<th>IP-MPO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insertion Loss (Max)</td>
<td>0.2 dB</td>
<td>0.2 dB</td>
<td>0.2 dB</td>
<td>0.35 dB</td>
</tr>
<tr>
<td>Insertion Loss (Average)</td>
<td>0.01 dB</td>
<td>0.1 dB</td>
<td>0.01 dB</td>
<td>0.1 dB</td>
</tr>
<tr>
<td>Return Loss</td>
<td>55 dB</td>
<td>NA</td>
<td>55 dB</td>
<td>NA</td>
</tr>
<tr>
<td>Durability</td>
<td>10000 cycles</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>−40°C to 70°C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pull Force</td>
<td>100 lbs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Material</td>
<td>UV resistant</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: SENKO LC and SC connectors are designed and tested to meet IEC Standard
(Stating Grade B ≤0.12dB mean, ≤0.25dB max for >97% of sample)
IP-MPO is available up to 24 fibers
Loss values are based on 12F low loss ferrule

SENKO
Advanced Components

senko.com/patents

The SENKO harsh environment (IP) range of connectors are designed to be used outdoor and provide many years of reliable service. They incorporate a bayonet system which enables quick and reliable installation even when engineers are wearing gloves.
SENKO’s Simple Maths:

**ONE** connector makes installation Simple, Quick, and Cost effective

- **Power** + **Fiber** = **IP-ONE**

Tamper Proof your Connectivity with IP-Safe Lock

- Standard Bayonet Lock + Safe Lock Ring = Connection Safely Locked

Industrial rated IP-68 Hybrid Connector

OPTICAL + ELECTRICAL

- IP-68 rated housing
- Reduce installation time
- Indoor/outdoor applications
- Space Saving
- Cost Effective

Anywhere you need fiber and power
### IP-ONE LC Connector

<table>
<thead>
<tr>
<th>Code</th>
<th>Type</th>
<th>Power Contact</th>
<th>Connector Body</th>
<th>Safe Lock Ring</th>
<th>Dust Caps</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP1-LC</td>
<td>MPO</td>
<td>Pin (Male)</td>
<td>X</td>
<td>4.5-7.2mm</td>
<td>D with</td>
</tr>
<tr>
<td>IP1-MPO</td>
<td>MPO</td>
<td>Socket (Female)</td>
<td>E</td>
<td>7.5-11mm</td>
<td>None without</td>
</tr>
</tbody>
</table>

#### Features
- Cost effective with easy termination
- Tamper proof with SENKO Safe Lock
- Reduced and simplified connectivity
- DC Power distance - 1Km (-48V, 40W over 12 AWG cable)

### IP-ONE LC Adapter

<table>
<thead>
<tr>
<th>Adapter Code</th>
<th>Type</th>
<th>Dust Caps</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP1-LC</td>
<td>Pin (Male)</td>
<td>D with</td>
</tr>
<tr>
<td>AS</td>
<td>Socket (Female)</td>
<td>None without</td>
</tr>
</tbody>
</table>

### IP-ONE MPO Connector

<table>
<thead>
<tr>
<th>Code</th>
<th>Type</th>
<th>Power Contact</th>
<th>Gender</th>
<th>No. of Fibers</th>
<th>Connector Body</th>
<th>Safe Lock Ring</th>
<th>Dust Caps</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP1-LC</td>
<td>MPO</td>
<td>Pin (Male)</td>
<td>F Female</td>
<td>12F</td>
<td>E 7.5-11mm</td>
<td>None without</td>
<td>D with</td>
</tr>
<tr>
<td>IP1-MPO</td>
<td>MPO</td>
<td>Socket (Female)</td>
<td>M Male</td>
<td>24F</td>
<td>X 4.5-7.2mm</td>
<td>00 with</td>
<td>D with</td>
</tr>
</tbody>
</table>

### IP-ONE MPO Adaptor

<table>
<thead>
<tr>
<th>Adapter Code</th>
<th>Type</th>
<th>Dust Caps</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP1-MPO</td>
<td>Pin (Male)</td>
<td>D with</td>
</tr>
<tr>
<td>AS</td>
<td>Socket (Female)</td>
<td>None without</td>
</tr>
</tbody>
</table>

### Features
- Combined power and fiber in ONE connector
- Simplify your connectivity with reduced cable and connectors
- Minimize interface footprint of your equipment
- Provide reliable protection in outside plant, Rating IP-68

### Typical Characteristics

<table>
<thead>
<tr>
<th>IP-ONE LC</th>
<th>IP-ONE MPO Low Loss</th>
<th>IP-ONE MPO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insertion Loss (Max)</td>
<td>0.2 dB</td>
<td>0.35 dB</td>
</tr>
<tr>
<td>Insertion Loss (Average)</td>
<td>0.01 dB</td>
<td>0.1 dB</td>
</tr>
<tr>
<td>Return Loss</td>
<td>55 dB</td>
<td>NA</td>
</tr>
<tr>
<td>Durability</td>
<td>50 mating</td>
<td>50 mating</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-40°C to 70°C</td>
<td>-40°C to 70°C</td>
</tr>
<tr>
<td>Pull Force</td>
<td>100 lbs</td>
<td>100 lbs</td>
</tr>
<tr>
<td>Material</td>
<td>UV resistant</td>
<td>UV resistant</td>
</tr>
<tr>
<td>Power Rating</td>
<td>DC 100V 3.4/9.3A/910Watts (12AWG)</td>
<td>AC Max AC 240V 4.8A 1.19kWatts (12AWG)</td>
</tr>
</tbody>
</table>
**IP-Series with Safe LOCK Weatherproof Connector**

With all the benefits of the SENKO IP Connector range this new addition to the IP connectivity family with its secondary lockable ring provides extra security and reduces the opportunity for tampering.

Option:

1. **Standard Connection:** Twist the bayonet nut
2. **Safe Lock:** Slide the ring into the nut

Bayonet is locked and will prevent any turning or loosening.

**TYPICAL CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Type</th>
<th>Insertion Loss (Max) (dB)</th>
<th>Insertion Loss (Average) (dB)</th>
<th>Return Loss (dB)</th>
<th>Durability</th>
<th>Operating Temp.</th>
<th>IP Rating</th>
<th>Pull Force</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP-LC</td>
<td>0.2</td>
<td>0.0</td>
<td>0.2</td>
<td>50</td>
<td>-40° to +70°</td>
<td>IP-68</td>
<td>100 lbs</td>
<td>UV resistant</td>
</tr>
<tr>
<td>IP-SC</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IP-MPO</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** SENKO LC and SC connectors are designed and tested to meet IEC Random Mating Grade B (≤0.12 dB mean, ≤0.25 dB max for >97% of sample). MPO is available up to 24 fibers.
### XP Fit Plus™ Field Installable Connector

**Easy installation in under 2 minutes**

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#### FEATURES
- **Mechanical Splice (index matching gel)**
- **Highly Stable & Reliable**
- **Perfect Performance**
- **Compact Package**
- **RoHS Compliant**
- **Connector meets UL 94 V-0 Flammability Rated**

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#### IP-LC XP

<table>
<thead>
<tr>
<th>CONNECTOR CODE</th>
<th>CONNECTOR TYPE</th>
<th>TYPE</th>
<th>CABLE</th>
<th>CABLE RANGE</th>
<th>SAFE LOCK RING</th>
<th>DUST CAPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP-LCFT</td>
<td>XPFit Plus</td>
<td>LSM</td>
<td>4.8</td>
<td>4.5-4.9mm</td>
<td>D with</td>
<td>D with</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Beige</td>
<td>5.0</td>
<td>5.3-5.7mm</td>
<td>D without</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Aqua</td>
<td>6.0</td>
<td>5.8-6.6mm</td>
<td>E without</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>7.0</td>
<td>6.8-7.2mm</td>
<td>E without</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>8.5</td>
<td>7.5-10mm</td>
<td>E without</td>
<td>None</td>
</tr>
</tbody>
</table>

**Order Code Example:**

- IP-LC XP

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#### IP-SC XP

<table>
<thead>
<tr>
<th>CONNECTOR CODE</th>
<th>CONNECTOR TYPE</th>
<th>TYPE</th>
<th>CABLE</th>
<th>CABLE RANGE</th>
<th>SAFE LOCK RING</th>
<th>DUST CAPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP-SCFT</td>
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<td>4.8</td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>7.0</td>
<td>6.8-7.2mm</td>
<td>E without</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>8.5</td>
<td>7.5-10mm</td>
<td>E without</td>
<td>None</td>
</tr>
</tbody>
</table>

**Order Code Example:**

- IP-SC XP

---

#### Installation KIT

1. **Soft Case**
2. **Fibre Disposal Unit**
3. **Lint Free Wipes**
4. **Standard Cleaver**
5. **Smart Checker**
6. **Buffer Remover**
7. **Launch cables**
8. **Fiber Stripper**
9. **Kevlar scissors**

**XP Fit Installation KIT content detail**

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- **Premium Cleaver Flat**
- **Standard Cleaver Flat**
- **Precision Cleaver Angled**
The harsh environment (IP) distribution Fan-Out range is designed to be used outdoor and provide many years of reliable service. They incorporate the SENKO IP range of Connectors and Adaptors and can be configured either for initial or with redundancy for future connectivity requirements.

**Specifications**
- **Fixing**
  - Hose Clip / Cable Tie
  - IP-68
- **Number of Fibers**
  - 2 to 24 *
  - 500 lbs (2268N)
- **Suitable for Connector Types**
  - IP-LC, IP-SC, IP-MPO
- **Temperature Range**
  - -40°C to +85°C

**Applications**
- Telecoms
- Broadcast
- Commercial
- Domestic
- Education
- Medical
- Maritime
- Military
- Oil and Gas
- Transport
- Renewable Energy

**Order Code Example**
- IP-FD-S2-5
- A 3x4.8
- B 6x4.8*
- C 12x3.0
- D 26x2.0

**Order Code Example**
- IP-FD-M-1
- A 6x7.0
- B 1x4.8
- C 12x3.0
- D 26x2.0
SENKO’s wide range of harsh environment (IP) Fan-Out kits are ideal for large repeatable rollout programs. These kits enable factory assembly of your fiber connectivity ensuring low loss high performance together with minimum on-site installation activity. The configurations range from simple 3 lead fan-outs to complex multi-bundled fiber cables. Fan-out furcation tubes can be adapted to your unique requirement. (See page 16-17)

SENKO’s integrated Plug and Play IP Fan-Out kits benefit from up to 24 Fiber MPO. They allow quick and repeatable connectivity between the Fan-Out, main feeder and jumper leads. This enables maximum on-site flexibility and/or future expandability. These Fan-Out kits are particularly useful for networks with a range of site configurations, Multi Operator and/or Multi Technology applications. (See page 23)

SENKO CTJ Distribution Box range caters for a number of applications providing clear demarcation. Ideal for either combined or separate Fiber / Power applications these Boxes can also house additional functionality such as Surge Protection and DC breakers. A range of labeling and mounting brackets complete the package. (See page 20-22)
The SENKO harsh environment (IP) Distribution/ Demarcation boxes are a flexible range designed to be used either indoor or outdoor providing many years of reliable service. They interwork with the SENKO IP Connector and Adaptors and can be configured to cater for many combinations of fiber connectivity. On-site or factory pre-configured options are available.

**IP-Distribution Boxes**

Weatherproof junction boxes

• A wide range of sizes and configurations
• Fibre only or combined Power and Fibre variants
• Durable
• Plug and Play
• IP rated

**FEATURES**

- Simple connection
- Maximize your saving
- Maximum Junction
- Weather proof

**TECHNICAL CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Material</th>
<th>Polycarbonate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>-40°C to +70°C</td>
</tr>
<tr>
<td>IP Rating</td>
<td>IP 68</td>
</tr>
</tbody>
</table>

The IP-Distribution junction box provides flexible connectivity and demarcation for your harsh environment applications.

**CTJ-F Box**

They incorporate the SENKO IP range of connectors/adapters and can be configured to accommodate many types of fibre connectivity.

2 ASSEMBLY OPTIONS: “Direct mate” and “Feed Through”
The SENKO Cell Tower Junction Box (CTJ-Box) has been developed to meet customer demands in the evolving telecoms market.

**FEATURES**
- Up to 6 fibre outlet ports (12 fibers)
- Up to 6 x 2 pole power outlets ports
- Up to 6 x 2 pole SPD (Surge Protection Device) power
- M40 cable glands (up to 1.25” cable diameter)
- M32 cable gland up to 5/8” cable diameter
- Isolation switches
- Compact design
- Weather proof

**SPECIFICATIONS**

**DIMENSIONS (L X H X W)**

- **3 - Fibre Port Terminals** (up to 6 fibre outputs total): 500x190x13 (19.7x7.5x5.1) 2.9 Unloaded 6.3 Unloaded
- **6 - Fibre Port Terminals** (up to 12 fibre outputs total): 700x190x13 (27.5x7.5x5.1) 3.75 Unloaded 8.25 Unloaded

**WEIGHT**

- **KG**
- **LBS**

**APPLICATIONS**

- Telecoms
- Broadcast
- Commercial
- Domestic
- Education
- Medical
- Maritime
- Military
- Oil and Gas
- Transport
- Renewable Energy

**FEATURES & BENEFITS**

- Pre-Terminated Assembly
- Various output configurations (IP-LC, IP-SC)
- True Plug and Play connectivity
- IP-68 rated
- Maximum flexibility and expandability
- Smallest footprint: 100x40mm

**CONFIGURATIONS**

Available in a range of configurations from 3 - 12 leads catering for 6 to 24 fibers in LC Duplex or 3 to 12 fibers in SC simplex.

The SENKO integrated Plug & Play assembly is our latest IP Fan-Out solution, that allows the use of a Pre-Terminated feeder cable fitted with the SENKO IP-MPO connector with up to 24 fibers. This provides a quick connection of the main feeder cable to the Pre-terminated fan-out. This ensures maximum configuration flexibility for complex inconsistent network rollout programmes and future upgrades.

**SPECIFICATIONS**

- **Mounting**
  - Hose Clip / Cable Tie
- **IP Rating**
  - IP-68
- **Number of Fibers**
  - 4 to 24 *
- **Tensile Rating**
  - Fan-Out Side: 50 lbs (222N)
- **Suitable for Connector Types**
  - IP-LC, IP-SC, IP-MPO
- **Temperature Range**
  - -40°C to +85°C

*Note: According to Media Type*
Manage your connectivity with SENKO’s specially designed Fan-Out brackets and mounting accessories. These brackets logically structure your Fan-Outs and include clear color-coded labelling. They provide fast and effective installation, ongoing maintenance and future expansion.

**Fan out Distribution & Demarcation Bracket**

**APPLICATIONS**
- Telecoms
- Broadcast
- Commercial
- Medical
- Maritime
- Military
- Oil and Gas
- Transport
- Renewable Energy

Bracket is designed to manage SENKO’s IP-FO range
see page 16 and 23
Complete your end to end connectivity path with SENKO’s range of Fan-Out kits from Outside plant environment to indoor/in cabinet connection.

PSA (Pulling Sock Assembly) Pre-Termination Kit

<table>
<thead>
<tr>
<th>FEATURES &amp; BENEFITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Metal Body Construction</td>
</tr>
<tr>
<td>• Easy assembly</td>
</tr>
<tr>
<td>• U-Slot Panel Mount</td>
</tr>
<tr>
<td>• Fan-Out Tubing size: 12 x 2.0mm, 24 x 2.0mm options</td>
</tr>
<tr>
<td>• Optional Pulling Sock</td>
</tr>
<tr>
<td>• IP 68 rated with pulling sock installed</td>
</tr>
<tr>
<td>• Outdoor/Indoor</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mounting</td>
</tr>
<tr>
<td>Number of Fibers</td>
</tr>
<tr>
<td>Suitable for Connector Types</td>
</tr>
<tr>
<td>Dimensions</td>
</tr>
<tr>
<td>Feeder Cable OD Range</td>
</tr>
<tr>
<td>Temperature Range</td>
</tr>
<tr>
<td>Fan-out cable Retention</td>
</tr>
<tr>
<td>Feeder Cable Retention</td>
</tr>
</tbody>
</table>

* Note: According to Media Type 2.0mm or 900µm

APPLICATIONS

• Telecom
• Datacenter
• Broadcast
• FTTX
• Enterprise
• Renewable Energy

Ruggedized Compact Fan-Out

<table>
<thead>
<tr>
<th>SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mounting</td>
</tr>
<tr>
<td>Number of Fibers</td>
</tr>
<tr>
<td>Suitable for Connector Types</td>
</tr>
<tr>
<td>Dimensions</td>
</tr>
<tr>
<td>Feeder Cable OD Range</td>
</tr>
<tr>
<td>Temperature Range</td>
</tr>
<tr>
<td>Fan-out cable Retention</td>
</tr>
<tr>
<td>Feeder Cable Retention</td>
</tr>
</tbody>
</table>

The SENKO Indoor fan-out range offer a variety of different layout options for most indoor applications. They are cost effective, time saving solution that eliminates the need for splicing on-site.

APPLICATIONS

• Telecoms
• Broadcast
• Commercial
• Domestic
• Education
• Medical
• Maritime
• Military
• Oil and Gas
• Transport
• Renewable Energy

Ruggedized Small Fan-Out Kit

<table>
<thead>
<tr>
<th>FEATURES &amp; BENEFITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Metal Body Construction</td>
</tr>
<tr>
<td>• Easy assembly</td>
</tr>
<tr>
<td>• Small Size</td>
</tr>
<tr>
<td>• Fan-Out Tubing size: 12 x 2.0mm, 24 x 2.0mm, 24 x 900µm options</td>
</tr>
<tr>
<td>• Optional Pulling Sock</td>
</tr>
<tr>
<td>• IP 68 rated with pulling sock installed</td>
</tr>
<tr>
<td>• Upgradable to IP-68 (without pulling sock)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SPECIFICATIONS</th>
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</thead>
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<td>Dimensions</td>
</tr>
<tr>
<td>Feeder Cable OD Range</td>
</tr>
<tr>
<td>Temperature Range</td>
</tr>
<tr>
<td>Fan-out cable Retention</td>
</tr>
<tr>
<td>Feeder Cable Retention</td>
</tr>
</tbody>
</table>

* Note: According to Media Type 2.0mm or 900µm

APPLICATIONS

• Telecom
• Datacenter
• Broadcast
• FTTX
• Enterprise
• Renewable Energy

Complete your end to end connectivity path with SENKO’s range of Fan-Out kits from Outside plant environment to indoor/in cabinet connection.

RUGGEDIZED FAN-OUT KIT
What happens if the optical connector end face becomes contaminated?

Examples of common contaminants adhering to end face:

- Hand Lotion
- Fiber Residue
- Dirt and Dust

Optical connector must have no contamination prior to mating.

Troubles caused by connector end face contamination

- Light is transmitted poorly or not at all
- Light is reflected back to connection point

*returning to the transmission point, causing equipment breakdown or bit errors.

Light ray

Clean connector

Reflected light

Smart Cleaner

REPLACEMENT CARTRIDGE TYPE

for LC, MU

for SC, FC, ST, E-2000

Specifically designed to work with the LC/MU and SC/FC/ST/E-2000 connectors, this instrument cleans the ferrule end faces removing dust, oil, and other debris without nicking or scratching the end face. The SENKO Fiber Optic Cleaner for simplex connections is a dry cloth cleaner specially designed to clean single fiber connectors. The dust cap of the cleaner acts as an adapter for cleaning unmated connectors.

Smart Cleaner for MPO

Designed to work with MPO connectors, this instrument cleans the ferrule end faces removing dust, oil, and other debris without nicking or scratching the end face. The SENKO Smart Cleaner for MPO is a dry cloth cleaner with a push and click mechanism. Like other Smart Cleaners in the series the dust cap acts as an adaptor for cleaning unmated connectors.
Images are captured digitally and streamed on the monitor of any compatible device.

An embedded record of operational data including probe number, control and sensitivity settings, date and time confirmation and geographical location.

NEW PASS/FAIL Analytical software

PASS/FAIL based on IEC 61300-3-35 ed2 Standard

Auto Centering

Automated image transfer by email or Cloud storage facility

The app provides the best reliability and performance, confirmed through thousands of inspections and test set-ups to guarantee measurement repetability and accuracy.

Images are captured digitally and streamed on the monitor of any compatible device.

FEATURES

• Robust & handy design
• Dust-free cap to protect LD
• Continuous / Pulsed Mode options
• Emitting LD 650 nm visible red light
• Auto Power Control circuit design to provide a stable LD output power
• Low Voltage Battery warning signal in LED
• Universal 2.5 mm ferrule to 1.25 mm adaptor
• Compatible to SC / ST / FC / LC Connectors
• Visibility to 3 Km

ORDER CODE DESCRIPTION
AFT-G-FC Fiber Checker
AFT-G-FC-A Fiber Checker 2.5 mm to 1.25 mm Adapter

ORDER CODE DESCRIPTION
AFT-G-FC-MPO MPO 12 Smart Checker
AFT-G-FC-MPO MPO 12 Smart Checker
Introducing the new cleaners for MPO, SC, LC optical connectors. Expanding its lineup of optical cleaners, Senko is able to respond to an even wider range of its customers needs.

**Smart Probe™ for Fiber Inspection**

The Smart Probe allows technicians to inspect the fiber endfaces, providing a high-definition image with a resolution up to 720px.

Images are captured digitally and streamed on the monitor of any Android Tablet or Smartphone.

**Smart Cleaner™ for Fiber Cleaning**

**XP Fit Plus™ Field Installable Connector**

The XP Fit Plus is a pre-polished, pre-assembled connector that uses index matching gel. An internal mechanical grip, gently but effectively holds the fiber in place and can be installed in under 2 minutes. Without polishing or adhesives the XP Fit Plus makes reliable on site installations quick and easy, diminishing the need for epoxy curing and hand polishing at the work site.

Images are captured digitally and streamed on the monitor of any Android Tablet or Smartphone.

**www.senko.com**