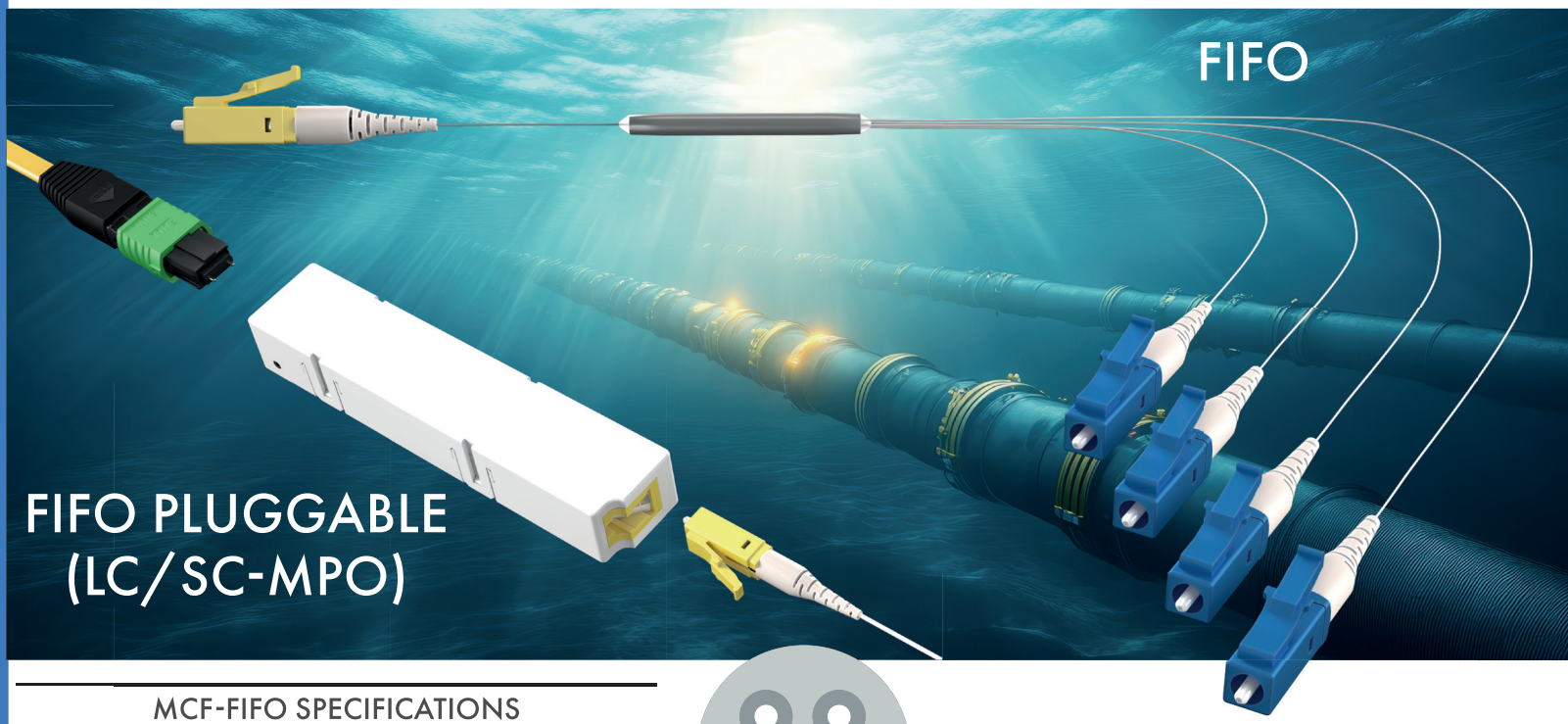
SANWA TECHNOLOGIES

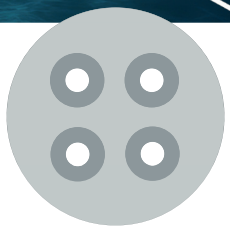
PRELIMINARY DESIGN

MCF FIFO (FAN-IN FAN-OUT)

SANWA'S MULTICORE FIBER SOLUTION

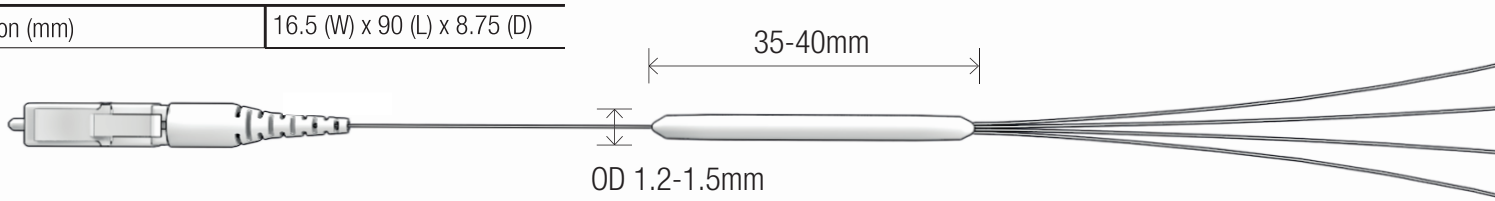


MCF-FIFO SPECIFICATIONS	
Parameter	**4 Channel**
Operating Wavelength (nm)	1310 - 1550
Core-to-Core Spacing (μm)	40
Insertion Loss (w/o connector) (dB)	0.5 - 1.0
Return Loss (dB)	**>55**
Crosstalk (dB)	**<-45**
Singlemode Fiber Type	G.652 & G.657
Pigtails	SMF 1- 10 meter long inside 900 μm furcation tube
Operating Temperature (°C)	0 - 75
Coating Material	Acrylic resin
Pluggable type	
Dimension (mm)	16.5 (W) x 90 (L) x 8.75 (D)



4 Core Fiber

SANWA's MCF FIFO device is made through welding drawing method that **offers excellent productivity and cost efficiency.**
Its most notable feature is its **compact size**, small enough to be integrated into transceivers or connectors.
Since the connector is the same size as used in existing systems, it can be applied in Data Centers and Telecom Central Offices.



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SANWA TECHNOLOGIES

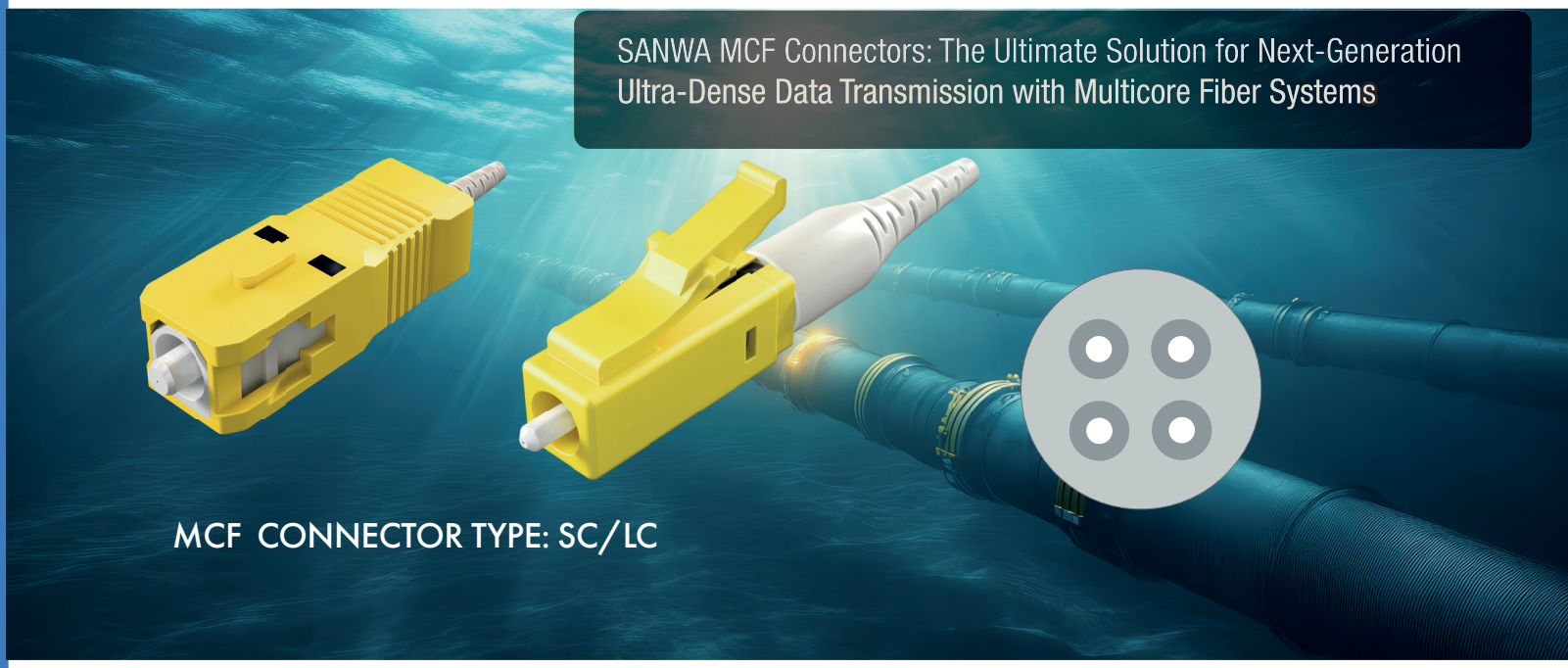
PRELIMINARY DESIGN

PATENTED DESIGN PATENTED

AVAILABLE COLORS

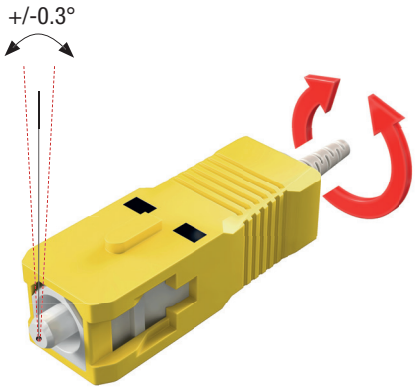
MCF CONNECTOR

SANWA'S MULTICORE FIBER SOLUTION



KEY FEATURES

- Advanced alignment technology ensuring low-loss connectivity
- 360° infinitely tunable
- Precision ferrule alignment
- Ferrule rattling tolerance
  - **-Standard: +/-0.5°**
  - **-Premium: +/-0.3°**



APPLICATIONS

- Data Centers
- Telecommunications
- FTTH Network

Since MCF (Multi-Core Fiber) requires alignment not only at the fiber center but also for each core, it is necessary to **adjust the fiber position along the XY axis as well as in the rotational direction.**

SANWA's MCF connectors allow the ferrule to be **freely rotated 360° for precise alignment and secure fixation.**

Despite accommodating more cores, they remain compact and comparable in size to single-fiber connectors.

PIONEERING CUSTOM FIBER OPTIC SOLUTIONS FOR YOUR UNIQUE NEEDS

Toll free number 1-855-SNW-TECH
Please contact your local sales representative for further details or questions.