

Temporary Fiber Aligner

S918A

Used for testing ribbon fiber

S911-S916

Used for testing single fiber



S918A



S911-S916

FITEL
FURUKAWA ELECTRIC

S918A Temporary Fiber Aligner

Designed to make the time-consuming job of testing ribbon fiber quicker and easier, the S918A allows the user to create a temporary link between bare ribbon fiber and a mini-OTDR.

Just follow these easy steps:

1. Prepare ribbon fiber for aligning (strip, clean, cleave)
2. Place prepared ribbon on Temporary Fiber Aligner right-hand base, secure with clamps, and turn joiner dial.
3. Right ribbon will abut with ribbon on left-hand holder base, which is connected to OTDR via a 12-fiber ribbon breakout and 1x12 switch (see below).

Key Features

- Capable of testing 2-, 4-, 8-, and 12-fiber ribbons (SM, MM, DSF, NZDSF)
- Typical loss of 0.2dB
- Automatic braking function for sliding right holder base.
- Ribbon holder clamps to secure ribbons during OTDR testing
- Magnifying lens with built-in lamp
- Replaceable V-groove for easy cleaning
- Rugged carrying case for standard and optional tools

Applications

- Measuring loss in OTDR testing
- Light source and power meter-based loss measurement
- Confirmation of transmission capability for newly procured cable

Specifications

Applicable Fiber

Silica glass based SM/MM/DS/NZDS optical fibers

Single fibers: 0.25 to 0.9mm Coating diameter, 0.125 clad diameter

Ribbon fibers: 2 to 12 fiber ribbons, 0.3 to 0.4mm thickness (Single fiber and 2 to 4 fiber ribbons are more easily loaded by replacing the V-groove with an optional S918X-41 V-groove for 4 fiber ribbon.)

Optional fiber holder to meet your application is required.

Cleave Length: 10mm

Typical Splice Loss: average loss for SM fiber 0.2 dB (with identical Furukawa fibers)

Operating Environments

Temperature: -10 to +50°C (14 to 122°F)

Humidity: 90% at 38°C (100°F)

Storage: -40 to +60°C (-40 to 140°F)

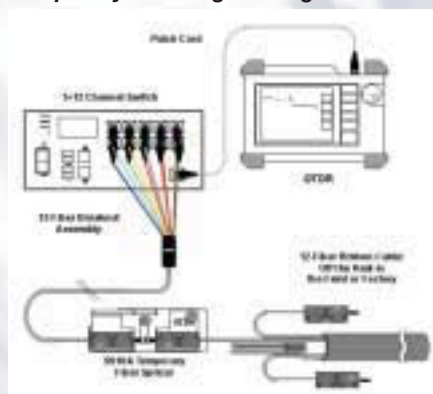
Size/Weight

Main Body (without Magnifying lens):

131W x 90D x 58Hmm / 540g

Carrying case: 385W x 270D x 95Hmm

Temporary fiber aligner diagram



Standard Package

Description	Model No.
Main Body	S918A-01
Magnifying Lens and Lamp	S918A-02
Matching Oil (10cc)	S918X-31
Bamboo Applicators (5)	S918X-32
Carrying Case	S918X-33
Operating Manual	

Optional Accessories

Fiber Holders

The fiber holders to meet your fiber type are required from the following selections.

Model Number	Applicable Fibers (Number of fibers/Diameter or Ribbon Thickness)
S706S-025	Single/0.25mm
S706S-090	Single/0.9mm
S706A-002	2-fiber ribbon/0.4mm
S706A-004	4-fiber ribbon/0.4mm
S706A-008	8-fiber ribbon/0.4mm
S706A-012	12-fiber ribbon/0.4mm

Other Optional Accessories

High Precision Cleaver (with automatic fiber collector)	S323B
Hot Stripper	S218A
Tool kit (including S323B and S218)	S424-B-A
V-groove for 4 fiber ribbon (dedicated for applying single to 4 fiber ribbon)	S918X-41

S911-S916 Temporary Aligner for Single Fiber



Description

Designed as a jig for temporary jointing the fibers for measuring transmission loss or for experimental purposes. A simple procedure to strip, clean, cleave and load the fiber makes a temporary jointing with a typical average loss of 0.25dB for SM fiber (when using matching oil).

Dimensions

50Wx55Dx 33H [mm] (excluding thumbscrews)

Weight

350grams

Standard Components and Applicable Fiber

Model No.	Dia. of Applicable Fibers	Quantity
S911	0.90mm to 0.90mm	1
S912	0.90mm to 0.40mm	1
S913	0.40mm to 0.40mm	1
S914	0.40mm to 0.25mm	1
S915	0.25mm to 0.25mm	1
S916	0.25mm to 0.90mm	1

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