28701-EN/LZT 108 523 Uen Rev A

Polarization Maintaining Fusion Splicer FSU 995 PM

- ***Splicing of all types of PM fiber***
- ***Erbium fiber splicing***
- ***Attenuator software***
- ***High strength capabilities***
- ***Warm image processing***

optimized for splicing polarization maintaining fibers

ERICSSON

Polarization maintaining fiber-splicing excellence

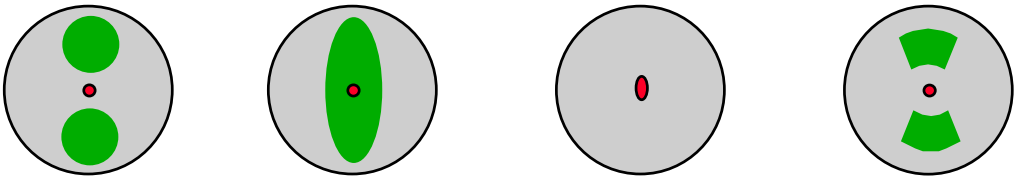
The demands on splicing equipment have never been greater. Ericsson's fusion splicer FSU 995 PM is developed specifically for high-demand applications, in labs as well as in production lines.

Based on the well-known FSU 995 series, the FSU 995 PM comes with all the features you have come to expect from Ericsson's fusion splicers – erbium splicing, thin core fiber splicing and attenuator making. Add the ability to splice PM fibers with an extremely high yield and you have a sure winner!

The FSU 995 is equipped with software for up- and download, which means that you can create new splice programs on a PC and send it to a network of splicers. You can also download all data from the splicer and your measurement instrument onto an Excel file and keep track of your splicing results.

The FSU 995 PM uses the Ericsson unique POL alignment, rotating both PM fibers 360 degrees, which gives a more accurate alignment than any other comparable system.

The FSU 995 PM comes with features, such as thin core alignment, negative index matching and automatic arc re-centering. There are also powerful profile analysis tools that are very helpful during splice program optimization.



SPECIFICATION

Fiber Types	Single-Mode (SMF) Multi-Mode (MMF) Erbium Fibers (EDF) Dispersion-Shifted (DSF) Non-Zero Dispersion Shifted (NZ-DSF) (LEAF, TrueWave etc.) Cut-off Shifted (CSF) Dispersion compensating (DCF) Panda PM fiber Bow-tie PM fiber Elliptical core PM fiber Elliptical Jacket PM fiber
Fiber diameters	80/160 μm to 125/900 μm fibers
Typical Splice Loss	Typical 0.02dB for identical SM fibers Typical 0.01dB for identical MM fibers
Typical Return Loss	> 60dB
Typical Extinction Ratio	32.2dB
High Strength Splicing	Depending on prep tools 20-40 N (clamping on coating) Equipped with platforms for fiber holders
Power sources	From power supply 90 - 264 V AC, 50 - 60Hz
Operating/Storage Environment	0 - 45°C / -10°- 60°C, 0-95% RH (non-condensing)
Splice Programs	20 predefined 40 programmable
Splice Modes	Automatic or Manual
Estimation Technique	Warm image, core-to-core detection, based on Mode Field Diameter (MFD) mismatch and Micro Bending Theory
Monitor	3.5" color LCD