

FutureNeuro™ FN-SSL-3

Surface-taped Sensing Fiber

FEATURES

- Two single-mode optical fibers
- Easy to install: just stick tape to surface
- Temperature range: -40 to +80 C
- Minimum bending radius: 15 mm



The FN-SSL-3 tape sensing fiber consist of two standard SM fibers on single tape. It is designed for temperature and/or strain measurements, exhibiting very good sensitivity and durability.

Sticking tape-like sensing fiber

The thickness of fibers supporting back-sheet is less than 1.0 mm. It allows the sensing fibers to be attached to an object, while providing a medium for transferring strain and temperature between object and fibers.

The FN-SSL-3 surface film covers fibers and protects them from damage. This film also supports the fibers while bending. The minimum bending radius is 15 mm, making it suitable for all types of objects and installation schemes.

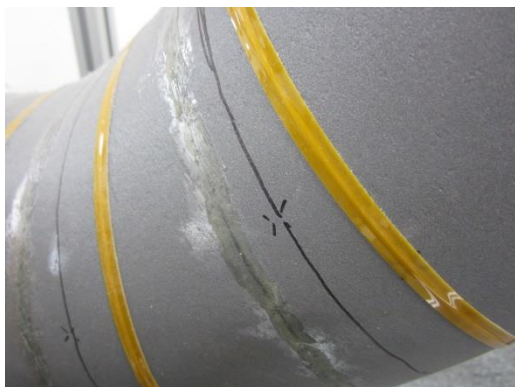
Easy installation. Excellent durability

The FN-SSL-3 surface-tape sensing fiber is easy to use; just peel off the release liner and attach the fiber to the object. Specially designed adhesive starts solidifying after sticking and pressing the tape. It becomes ready for measurement in 24 hours. The adhesive of the tape is designed for many years of use.

Specifications FN-SSL-3

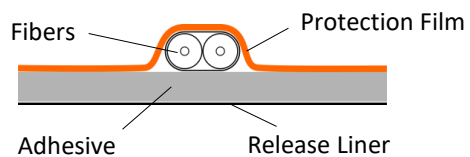
Fiber Type	10 / 125 μm Single-Mode Fiber
Fiber count	2
Attenuation	< 0.5 dB/km
Bending Radius	> 15 mm
Dimension (W x H)	8.0 x 1.0 mm
Length (standard, per reel)	15 m
(custom made, per reel)	< 100m
Weight	3.5 g / m
Working Temperature	-40 to +80 °C

All specifications above are subject to change without notice.



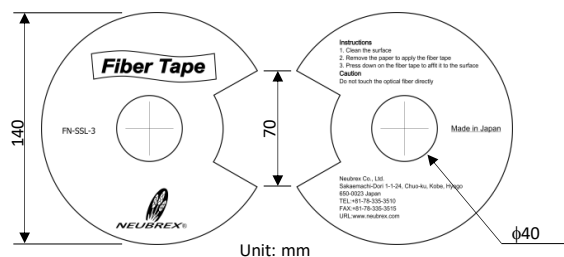
Application example: stuck spirally on the steel pipe for detecting strain

Configurations



Delivery Reel

(The Standard type for 15m)



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