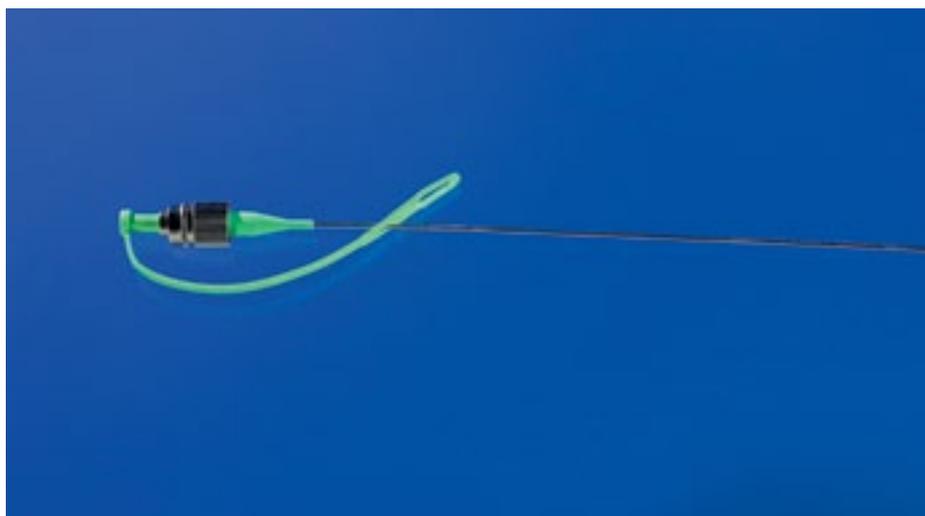


Temperature Chain TC-03

Fibre Bragg Gratings reinvented

Draw Tower Gratings (DTG®s) are produced during the drawing process of the fibre itself, before the primary coating is applied. This is a cost effective production process for high quality Fibre Bragg Gratings. This offers unique characteristics such as extremely high breaking strength, insensitivity to bending, spliceless array configurations and uniform coating coverage. FBG parameters and coating material can be selected based on customer needs.



Description

The Temperature Chain TC-03 is a spliceless chain of multiple fibre optic temperature sensors in series on a single fibre. The sensors are all contained in a 1mm stainless steel tube which is directly connectorised on one end.

The TC-03 can be configured according to customer needs i.e. the length of the tube, the number of sensing points and their spatial distribution can all be specified.

Features

- Distributed temperature sensing
- Fully configurable according to customer needs
- Single ended configuration



Standard specification

Parameter	Value
Temperature resolution ¹	0.1°C
Temperature precision ¹	3°C
Sensor temperature range ^{2,3}	0°C to +200°C
Housing length ⁴	1000 mm
Housing diameter ⁴	1 mm
Housing material	SS316
Number of sensors	On request
Distance between sensors	On request
Connector type	FC/APC

¹ Using a depolarized measurement device with a 1 pm wavelength resolution and precision.

² Extendable on request.

³ For the sensor, not for the connector.

⁴ Other sizes possible on request.

Ordering information

Please contact our sales department.