

BRUsens temperature 0°C to 300°C

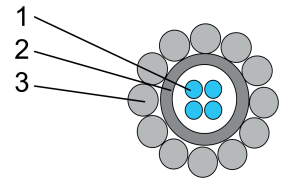
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Fiber optic temperature sensing cable, extra small, armored with stainless steel loose tube, stainless steel strength members, fast thermal response, for 1 to 2 polyimide coated optical fibers.

Application

- Temperature
- Raman, Brillouin
- Indoors and/or outdoors, harsh environment
- In conduits or attached to structures

LLK-BSTE 300 °C 2.8 mm



Description

- Compact design, high flexibility, small bending radius
- Loose tube, central, metal, gel free, with up to 2 fibers, hermetically sealed, optimized fiber excess length
- High crush resistance
- High tensile strength
- Excellent rodent protection
- Fast temperature response
- Good chemical resistance
- Laterally watertight

Remarks

- Accessories such as mounting brackets, loops, fan-outs, splice enclosures, connectors, patch-panels, repair kits etc. are available
- Deployment training upon request
- Other cable designs and temperature ranges upon request
- Fiber color: 1 and 2 natural
- For easier handling and additional protection, outer sheath available upon request (meter marking possible)

Technical data

Type	Max. no. of fibres units	Cable ø mm	Weight kg/km	Installation Max. tensile strength N	Operation Max. tensile strength N
1F...2F	2	2.8	25	1500	1000

Type	with tensile load Min. bending radius mm	without tensile load Min. bending radius mm	Hydrostatic pressure bar	Max. crush resistance N/cm
1F...2F	20xD	15xD	300	600

Optical fiber data (cabled) at 20°C

Fiber Type	Attenuation dB/km 850 nm	Attenuation dB/km 1300 / 1310 nm	Attenuation dB/km 1550 nm	Modal Bandwidth MHz x km 850 nm	Modal Bandwidth MHz x km 1300 nm
MMF 50/125	≤3.5	≤1.5	NA	300	300
SMF	NA	≤1.0	≤0.9	NA	NA