BRUsens temperature 150°C

3_50_1_002

Fiber optic mid temperature sensing cable, extra small, armored with stainless steel loose tube, stainless steel strength members and TPE outer sheath, fast thermal response, for up to 2 fibers.

Description

- Compact design, good flexibility, small bending radius
- Loose tube, central, metal, gel filled, with up to 2 fibers, hermetically sealed, optimized fiber excess length
- Gel for high temperature with hydrogen scavenger
- Outer sheath, robust, halogen free
- Excellent rodent protection
- Good chemical resistance
- High tensile strength and crush resistance

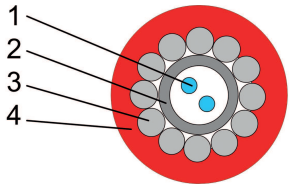
Application

- Temperature
- Raman, Brillouin
- Outdoors, harsh environment
- Direct burial in soil or in conduits

Remarks

- Standard fiber color code: 1 red, 2 green, 3 yellow, 4 blue, 5 white, 6 violet, 7 orange, 8 black
- For improved UV resistance, black cable sheath available upon request
- Accessories such as mounting brackets, loops, fan-outs, splice enclosures, connectors, patch-panels, repair kits etc. are available
- Deployment training upon request
- Standard cable marking with meter marks, special labeling of outer sheath upon request
- Other cable designs and temperature ranges upon request
- For more corrosive environments such as down hole, other sheath material available on request

LLK-BSTE 150°C 3.8 mm



Technical data at 20°C

Type	Max. no. of fibres units	Cable ø mm	Weight kg/km	Max. crush resistance N/cm	Installation Max. tensile strength N	Operation Max. tensile strength N
2F	2	4.8	46	600	1500	1000

Type	with tensile load Min. bending radius mm	without tensile load Min. bending radius mm	at 150°C Hydrostatic pressure resistance x 100 kPa (bar)
2F	76 (20xD)	52 (15xD)	200

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	≤3.0	≤1.0	NA	400	500
MMF 62.5/125	≤3.5	≤1.0	NA	160	500
SMF	NA	≤0.4	≤0.25	NA	NA

SOLIFOS FIBER OPTIC SYSTEMS
Solifos AG
Phone +41 (0)56 461 8000 • www.solifos.com • contact@solifos.com