

# BRUsafety LHD non-metallic

**3\_50\_1\_008**

Fiber optic temperature sensing cable, for fire detection, extra small, non-metallic with tight buffered fiber, aramid yarn strength members and FRNC outer sheath, fast thermal response, for up to 2 fibers.

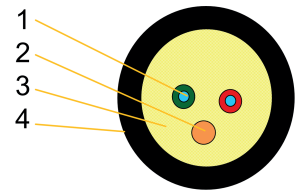
**Application**

- Temperature
- Raman
- In conduits or attached to structures

**Remarks**

- Other cable designs available
- Standard fiber color code: 1 red, 2 green
- Standard cable marking with meter marks, special labeling of outer sheath upon request
- Accessories such as anchors, mounting brackets, loops, fan-outs, splice enclosures, connectors, patch-panels, repair kits etc. are available
- Handling training upon request

**LLK-BSSA N 4.0 mm**



**Description**

- Compact design, high flexibility, small bending radius
- Optical fibers, tight buffered design
- Outer sheath, robust, flame retardant, non corrosive (FRNC)
- Outer sheath halogen free
- High tensile strength
- Standard rodent protection

**Technical data at 20°C**

Type	Max. no. of fibres units	Cable ø mm	Weight kg/km	Installation Max. tensile strength N	Operation Max. tensile strength N
2F	2	4.0	17	1000	800

Type	with tensile load Min. bending radius mm	without tensile load Min. bending radius mm	Max. crush resistance N/cm
2F	20xD	15xD	100

**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	700	500
MMF 62.5/125	≤3.5	≤1.0	NA	200	500