BRUsafety LHD metallic

3_50_1_007

LLK-BSSA M 3.8 mm
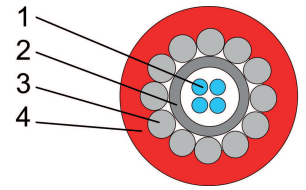

Fiber optic temperature sensing cable, for fire detection, extra small, armored with stainless steel loose tube and armoring wires, fast thermal response and FRNC outer sheath, fast thermal response, for up to 2 fibers.

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
- Outer sheath, robust
- Outer sheath, flame retardant non corrosive (FRNC)
- Excellent rodent protection
- High chemical resistance
- Fast temperature response
- Laterally watertight
- High tensile strength and crush resistance
- Span distance between supports increased

Application

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

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

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	3.8	30	600	1500	1000

Type	with tensile load Min. bending radius mm	without tensile load Min. bending radius mm
2F	20xD	15xD

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

20191031-1