BRUsens AHFO DTS 4.0mm 25Ω

3_50_1_022

Fiber optic temperature sensing cable, heatable, small, with central loose tube, 0.83 mm² copper conductor for active sensing, stainless steel strength members and double layer PA outer sheath, fast thermal response, for up to 4 fibers.

Description

- Compact design, good flexibility, small bending radius
- Loose tube, central, metal, gel filled, with up to 4 fibers, hermetically sealed, optimized fiber excess length
- Outer sheath, robust, abrasion resistant, double layer for electrical insulation and protection
- Insulation of outer sheath monitored with spark test, operating voltage max. 600/1000 V
- High crush resistance
- High tensile strength
- Excellent rodent protection
- High chemical resistance

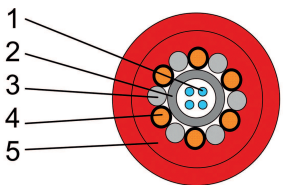
Application

- Temperature
- Moisture and flow detection
- Temperature heatable
- Raman, Brillouin
- Outdoors, harsh environment
- Direct burial in soil or in conduits

Remarks

- 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 fiber color code: 1 red, 2 green
- Standard cable marking with meter marks, special labeling of outer sheath upon request
- Other cable designs and temperature ranges upon request

LLK-BSTH 85°C 4.0 mm



Technical data

Type	Max. no. of fibres units	Cable ø mm	Weight kg/km	Installation Max. tensile strength N	Operation Max. tensile strength N
4F (2F MM / 2F SM)	4	4.0	28	1000	700

Type	with tensile load Min. bending radius mm	without tensile load Min. bending radius mm	Max. crush resistance N/cm	Electrical resistance Ω/km	Continuous operation current A
4F (2F MM / 2F SM)	20xD	15xD	300	8	25

Optical fiber data (cabled) at 20°C

Fiber Type	Attenuation dB/km 850 nm	Attenuation dB/km 1064 mm	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	≤2.6	≤1.0	NA	400	600
SMF	NA		≤0.36	≤0.25	NA	NA

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