

# BRUsens DAS 6.6 mm AC2 Harsh

3\_50\_4\_003

Fiber optic acoustic sensing cable, with stainless steel central metal tube with one optical fiber, metal tube as hermetic seal member, galvanized steel armoring and PA outer sheath, good acoustic response.

**Application**

- Acoustic
- Rayleigh scattering, Raman, Brillouin
- Outdoors, harsh environment
- Direct burial in soil, attached to structures or in conduits, subsea

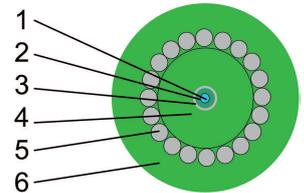
**Description**

- Compact design, high flexibility, small bending radius
- Metal tube, central, extra small, with one optical fiber, hermetically sealed, laterally watertight
- Outer sheath halogen free
- Outer sheath, robust, abrasion resistant, with special acoustic interlocking system, PA
- Excellent rodent protection
- High chemical resistance
- Laterally watertight
- High tensile strength and crush resistance
- Good acoustic sensitivity
- Good acoustic coupling

**Remarks**

- For improved UV resistance, black cable sheath available upon request
- Other cable designs available
- 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

LLK-BSAC 6.6 mm AC2



**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	1	6.6	70	3500	2600

Type	with tensile load Min. bending radius mm	without tensile load Min. bending radius mm	Max. crush resistance N/cm
1F	132 (20xD)	99 (15xD)	700

**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
SMF	NA	≤0.4	≤0.25	NA	NA