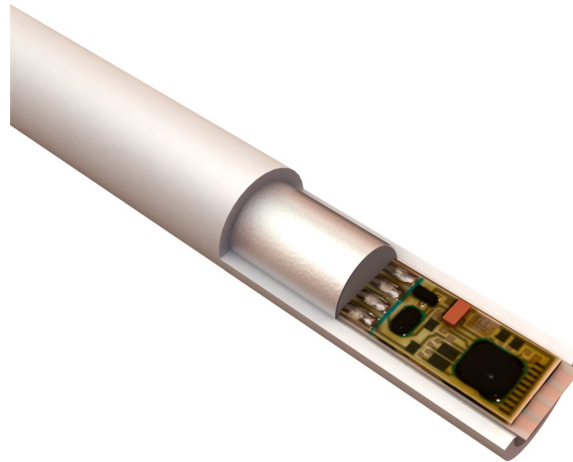


Sensor Cable SEC 20



Features

- ◆ Complete encapsulation to protect sensors from environmental influences
- ◆ Flexible sensor spacing to comply to project demand (1 m ... 10 m approved by VdS Schadenverhütung)
- ◆ Pinpoint sensor location via individual addresses
- ◆ Maintenance free cable
- ◆ Aramid fibres serve as strain relief and as reinforcement in case of fire
- ◆ Easy mounting by use of diverse fasteners
- ◆ Branching of cable routes via connection boxes
- ◆ Constant sensor monitoring via control and evaluation unit LISTcontroller
- ◆ Quick cable repair in case of mechanical damage
- ◆ To be used with control and evaluation unit LISTcontroller

General Data

- ◆ Operating temperature: -40 °C ... +85 °C, up to +200 °C short term
- ◆ Measurement range: -40 °C ... +200 °C
- ◆ Cable diameter: Typ. 18 mm
- ◆ Flat conductor resistance: Typ. 85 Ω / km (single conductor)
- ◆ Sheath material: HM4 mixture, halogen-free and flame retardant, according to EN 50267-2-1:1999-04, EN 50267-2-2:1999-04, EN 60332-1-2:2005-06, EN 60332-2-2:2005-06, EN 61034-2:2006-03, IEC 60754-1, IEC 60754-2
- ◆ Weight: Typ. 0,45 kg / m
- ◆ Sheath colour: Standard grey (other colours on request, minimum purchase quantity 2.000 m)
- ◆ Marking: Consecutive number printed at each sensor location, followed by cable identifier
- ◆ Deliverable cable length: Up to 2.000 m (extended cable routes are realisable by connection boxes)
Up to 3.200 m **SEC 20** per LISTcontroller (max. 3.500 m including **CC 20** connection cable)
For shorter sensor cable lengths the **CC 20** connection cable may have a maximum length of 1.500m on both of the cable ports **SEC1** and **SEC2** (loop), at a total maximum length of 3.500 m
- ◆ Mounting temperature: ≥ +10 °C
- ◆ Bending radius: ≥ 30 cm
- ◆ Verified and approved to: EN 54-22 by VdS Schadenverhütung, VdS no. G 213072, response classes A1N, A2N, and BN
Meets requirements of environmental classification III

Sensor Specification

- ◆ Measurement resolution: 0,1 °C
- ◆ Repeatability: ± 0,1 K
- ◆ Sensor address range: 0 ... 999
- ◆ Supply voltage: 15 V DC via LISTcontroller

Ordering Information

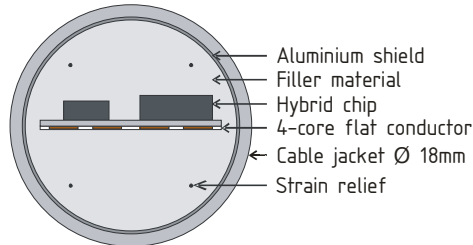
- | | |
|---|-------------------------|
| ◆ Sensor Cable SEC 20/01 (1 m sensor spacing) | Art.-no.: G00382 |
| ◆ Sensor Cable SEC 20/02 (2 m sensor spacing) | Art.-no.: G00385 |
| ◆ Sensor Cable SEC 20/03 (3 m sensor spacing) | Art.-no.: G00387 |
| ◆ Sensor Cable SEC 20/04 (4 m sensor spacing) | Art.-no.: G00388 |
| ◆ Sensor Cable SEC 20/05 (5 m sensor spacing) | Art.-no.: G00389 |
| ◆ Sensor Cable SEC 20/06 (6 m sensor spacing) | Art.-no.: G00390 |
| ◆ Sensor Cable SEC 20/08 (8 m sensor spacing) | Art.-no.: G00393 |
| ◆ Sensor Cable SEC 20/10 (10 m sensor spacing) | Art.-no.: G00394 |
| ◆ Sensor Cable SEC 20/0x (Customer specified sensor spacing, limited to not less than 0,5 m) | Art.-no.: G00395 |

Scope of Delivery

- ◆ Ordered sensor cable length may either be shipped on a one way drum, or on loaner KTG-drum and pallet.

Cable Construction

- ◆ Four-core flexible flat cable with hybrid circuits
- ◆ Filler material with strain relief
- ◆ Aluminium foil shield
- ◆ Sheath with imprints at each sensor location



Cable Imprint

Imprint 1: The sensor marking is used in cable lists, delivery notes etc.

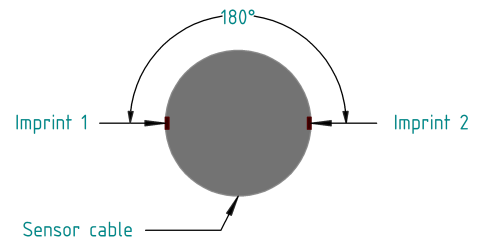
xxxx * LIST-Sensorkabel * Kyyyyyy * LISTEC GmbH * Nexans *

Both imprints start on the same level

***** LIST Sensor Cable SEC 20 ***** Environmental class III *****

Imprint 2: Static marking only

Every block with 5 x *



Legend:

- xxxx: Sensor position in the cable, four-digit consecutive sensor marking, at 3 m sensor spacing with a leading "0" (zero).
- yyyyyy: Three- to six-digit cable number

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Subject to change without prior notice!