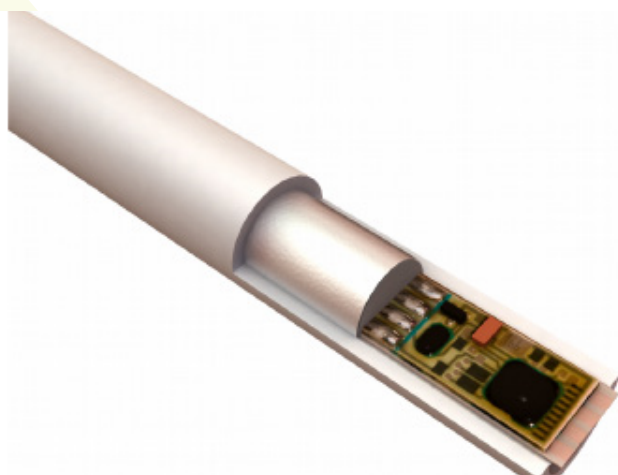


Sensor Cable SEC 20

LISTEC®
Lineare Sensor Technik GmbH



DATA SHEET

FORM NO. 06-LIS-0151 ISSUE NO. A DATE: 26/9/2016

FEATURES & BENEFITS

- Complete encapsulation to protect sensors from environmental influences
- Flexible sensor spacing to comply to project demand
- 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,
- EN50267-2-2:1999-04, 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: Grey
- 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)
- Mounting temperature: ≥ +10 °C
- Bending radius: ≥ 30 cm
- Verified and approved to: FprEN 54-22:2012 by VdS Schadenverhütung, VdS no.: G 213072
- 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

SYSTEM

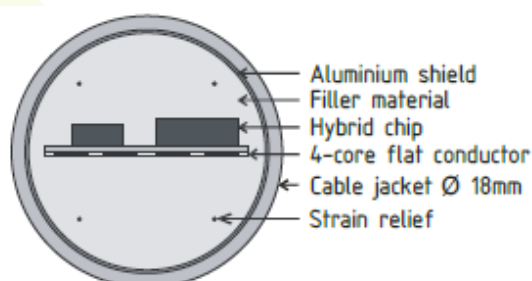
- Sensor Cable SEC 20/01 (1 m sensor spacing) Art.-no.: G00382
- Sensor Cable SEC 20/02 (2 m sensor spacing) Art.-no.: G00385
- Sensor Cable SEC 20/03 (3 m sensor spacing) Art.-no.: G00387
- Sensor Cable SEC 20/04 (4 m sensor spacing) Art.-no.: G00388
- Sensor Cable SEC 20/05 (5 m sensor spacing) Art.-no.: 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 * Kyyy * Listec GmbH * Nexans * VdS Nr. G 213072 *

Both imprints start on the same level

***** LIST Sensor Cable SEC 20 ***** FprEN54-22:2012 - Umweltgruppe 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).
- yyy: Three-digit cable number

