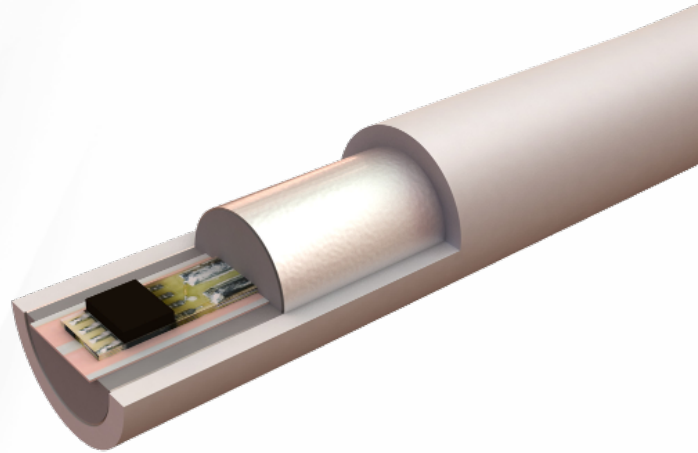
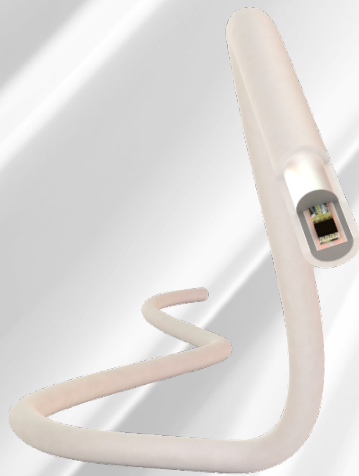


# Sensor Cable SEC 15-Ex



## Features

- ▶ ATEX marking for use in zones **2** and **22**
- ▶ Complete encapsulation to protect sensors from environmental influences
- ▶ Sensor spacing selectable 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
- ▶ May be combined with d-LIST external sensors **ESD-A5**
- ▶ Up to 2 x 250 m combined cable length, respectively up to 2 x 99 sensors per sensor control unit **SCU 800** or  
Up to 2 x 320 m combined cable length, respectively up to 2 x 100 sensors per sensor control unit d-LISTcontroller

## General Data

- ▶ Type of protection zone **2**: Ⓜ II 3G Ex ec IIC T4 Gc
- ▶ Operating temp. zone **2**: -20 °C ... +70 °C
- ▶ Type of protection zone **22**: Ⓜ II 3D Ex tc IIIB T125°C Dc
- ▶ Operating temp. zone **22**: -20 °C ... +80 °C, from 70 °C protected from mechanical impact energy (EN 60079-0 / 26.4.2)
- ▶ Cable diameter: Typ. 15 mm
- ▶ Flat conductor resistance: Typ. 71 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. 0,35 kg / m
- ▶ Sheath colour: Grey or black
- ▶ Marking: Consecutive number printed at each sensor location, followed by cable identifier
- ▶ Deliverable cable length: Up to 2.400 m, prefabricated cable sections on request
- ▶ Mounting temperature: ≥ +10 °C
- ▶ Bending radius: ≥ 25 cm
- ▶ Storage Conditions: 0 °C ... +60 °C, 30% ... 70% relative humidity, non condensing, prevention against shock, vibration, dust, electrostatic discharge **ESD**, **UV** light
- ▶ Verified and approved to: **EN 54-5**, response class **A1 (SCU 800)**  
**EN 54-22**, approved by VdS Schadenverhütung GmbH, VdS no. G 221004, Environmental class III, Response classes **A1N**, **A2N**, **BN**, **CN** (d-LISTcontroller)

## Sensor Specifications

- ▶ Measurement range: -40 °C ... +120 °C
- ▶ Measurement resolution: 0,0625 °C
- ▶ Repeatability: ± 0,0625 K
- ▶ Supply voltage: 5 V DC via sensor control unit **SCU 800** or d-LISTcontroller

**Ordering Information**

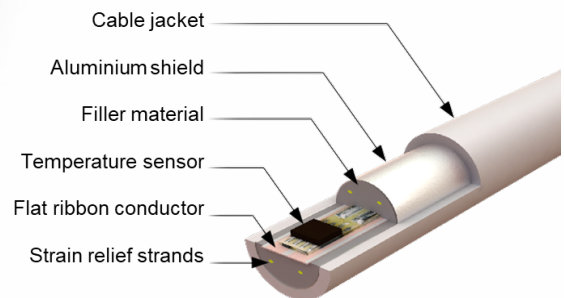
▶ Sensor Cable <b>SEC 15/01</b> (1 m sensor spacing)	Art.-no.: <b>G00360</b>
▶ Sensor Cable <b>SEC 15/02</b> (2 m sensor spacing)	Art.-no.: <b>G00367</b>
▶ Sensor Cable <b>SEC 15/03</b> (3 m sensor spacing)	Art.-no.: <b>G00372</b>
▶ Sensor Cable <b>SEC 15/04</b> (4 m sensor spacing)	Art.-no.: <b>G00374</b>
▶ Sensor Cable <b>SEC 15/05</b> (5 m sensor spacing)	Art.-no.: <b>G00376</b>
▶ Sensor Cable <b>SEC 15/xx</b> (Customer specified sensor spacing, limited to not less than 0,25 m)	Art.-no.: <b>G00378</b>
▶ ATEX marking for sensor cable <b>SEC 15</b> (to be ordered for every separate sensor cable section)	Art.-no.: <b>S00002</b>

**Scope of Delivery**

- ▶ Ordered sensor cable length may be shipped as a cable ring in a carton, on a one way drum, or on loaner KTG-drum and pallet
- ▶ ATEX markings for every separate sensor cable section

**Cable Construction**

- ▶ Two-core flexible flat cable with temperature sensors
- ▶ 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.

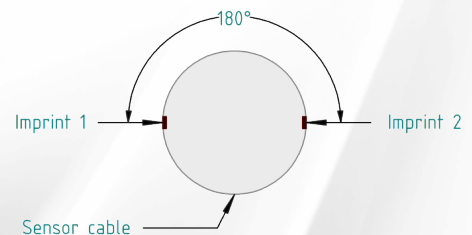
**xxxx \* d-LIST-Sensorkabel \* Dyyyzz \* LISTEC GmbH \* Nexans \***

Both imprints start on the same level

**\*\*\*\*\* d-LIST Sensor Cable SEC 15 \*\*\*\*\* Environmental class III \*\*\*\*\***

Imprint 2: Static marking only

Every block with 5 x \*



**Legend:**

- xxxx: Sensor position in the cable, three- to four-digit consecutive sensor marking
- yyy: Three-digit cable number
- zz: Sensorspacing (i.e. 04 = 4m)

LISTEC GmbH  
Am Sandberg 34  
D - 84424 Isen  
Germany

Tel.: +49 (0) 8083 5385-0  
Fax.: +49 (0) 8083 5385-20  
e-mail: info@listec-gmbh.de  
www.listec-gmbh.de

A company of the Swiss Securitas Group  
Subject to change without prior notice!