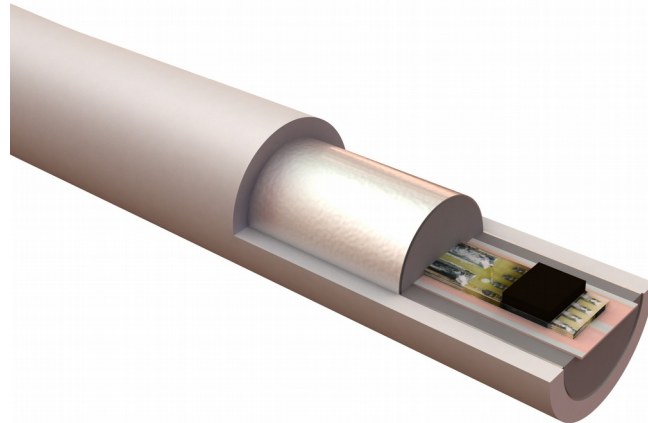


Sensor Cable SEC 15-Ex



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
- ◆ To be used with sensor control unit **SCU 800**
- ◆ May be combined with d-LIST external sensors **ESD**
- ◆ Up to 2 x 250 m combined cable length, respectively up to 2 x 99 sensors per sensor control unit **SCU 800**

General Data

- ◆ Type of protection zone 2: Ex II 3G Ex nA IIC T4 Gc
- ◆ Operating temp. zone 2: -20 °C ... +80 °C, from 70 °C protected from mechanical impact energy (EN 60079-0 / 26.4.2)
- ◆ Type of protection zone 22: Ex II 3D Ex tc IIIC T125 °C Dc
- ◆ Operating temp. zone 22: -20 °C ... +70 °C
- ◆ 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
- ◆ Verified and approved to: EN 54-5, class A1, VdS no.: G 205143

Sensor Specifications

- ◆ Measurement range: -40 °C ... +120 °C
- ◆ Measurement resolution: 0,1 °C
- ◆ Repeatability: ± 0,1 K
- ◆ Supply voltage: 5 V DC via sensor control unit **SCU 800**

Ordering Information

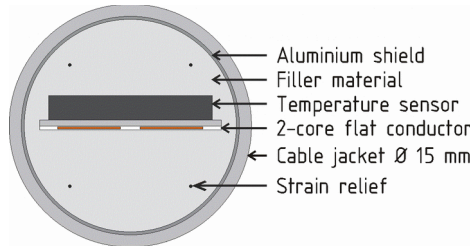
- | | |
|---|-------------------------|
| ◆ Sensor Cable SEC 15/01 (1 m sensor spacing) | Art.-no.: G00360 |
| ◆ Sensor Cable SEC 15/02 (2 m sensor spacing) | Art.-no.: G00367 |
| ◆ Sensor Cable SEC 15/03 (3 m sensor spacing) | Art.-no.: G00372 |
| ◆ Sensor Cable SEC 15/04 (4 m sensor spacing) | Art.-no.: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

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.

xxx * d-LIST-Sensorkabel * Dyyyzz * Listec GmbH * Nexans * VdS Nr. G 205143 *

Both imprints start on the same level

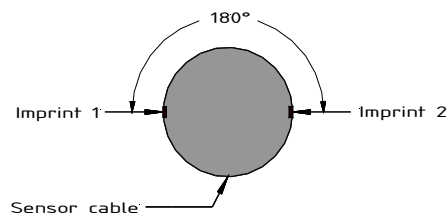
***** d-LIST Sensor Cable SEC 15 ***** d- LIST Sensor Cable SEC 15 *****

Imprint 2: Static marking only.

Every block with 5 x *

Legend:

- xxx:** Sensor position in the cable, three-digit consecutive sensor marking, (four-digit for SEC 15/01 and SEC 15/02)
- yyy:** Three-digit cable number
- zz:** Sensor spacing (i.e.: 04 = 4 m)



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