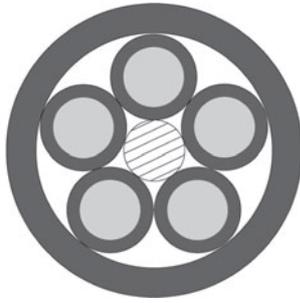


# SENSORFLEX-H sensor actuator cables, halogen-free, high flexible drag chain cable, PUR, mantle EVA +125°C



## Technical data

- Temperature range**  
 Li12Y11Y/Li9Y11Y  
 flexing -30 °C to +80 °C  
 fixed installation -40 °C to +80 °C  
 Li4G4G  
 flexing -25 °C to +125 °C  
 fixed installation -40 °C to +125 °C
- Operating voltage**  
 up to 0,25 mm<sup>2</sup> 350 V  
 0,34 mm<sup>2</sup> and greater 500 V
- A.c. test voltage**, 50 Hz  
 up to 0,25 mm<sup>2</sup> 1200 V  
 0,34 mm<sup>2</sup> and greater 2000 V
- Minimum bending radius**  
 Sensorflex-H Li12Y11Y  
 Approx. 5x cable ø  
 Sensorflex-H Li9Y11Y  
 Approx. 7,5x cable ø  
 Sensorflex-H Li4G4G  
 Approx. 15x cable ø

## Cable structure

- Sensorflex-H (Li12Y11Y-HF)**
  - Bare copper, extra-fine wire conductor according to DIN VDE 0295 cl. 6 and IEC 60228 cl. 6
  - TPE core insulation, core colours see below
  - PUR sheath
- Sensorflex-H (Li9Y11Y-HF)**
  - Bare copper, extra-fine wire conductor according to DIN VDE 0295 cl. 6 and IEC 60228 cl. 6
  - PP core insulation, core colours see below
  - PUR sheath
- Sensorflex-H (Li4G4G)**
  - Tinned copper, fine wire conductor according to DIN VDE 0295 cl. 5 and IEC 60228 cl. 5
  - EVA-based compound for core and sheath
  - Sheath red/brown (approx. RAL 8016)

## Properties

- Sensorflex-H (Li12Y11Y-HF)**  
**Sensorflex-H (Li9Y11Y-HF)**
  - PUR sheath, low adhesion, extremely abrasion resistant, resistant to hydrolysis and microbial attack
  - Highly flexible drag chain cable
- Sensorflex-H (Li4G4G)**
  - Heat-resistant
  - Not** suitable for use with drag chains

## Application

### For decentralised installation and control technology.

These cables are used in connector systems for sensors and actuators.

In combination with injected circular connectors and installed actuator-sensor boxes, they constitute an important connecting element between the periphery and the PLC in production systems.

The assembled cables offer attractive opportunities for reducing costs, not only in the field of automation technology, but also in the entire manufacturing industry.

While previously it was necessary to carry out time-consuming wiring of switchgear cabinets and machines, now field bus technology has made it possible to move the periphery interfaces from the switchgear cabinets to the machines and systems.

Moving the I/O points to the system periphery enables significant reductions in installation costs.

CE = The product is conformed with the EC Low-Voltage Directive 2006/95/EG.

### SENSORFLEX-H (Li12Y11Y) high flexible drag chain cable, PUR

Part no. black	grey	Cable structure No.cores x cross-sec. mm <sup>2</sup>	Jacket material	Core colours	Fine wire	High flex **	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
76283	76299	2 x 0,25	PUR	brown, blue		X	4,4	4,8	22,0	24
76284	76300	3 x 0,25	PUR	brown, blue, black		X	4,4	7,2	22,0	24
76285	76301	4 x 0,25	PUR	brown, blue, black, white		X	4,7	9,6	26,0	24
76286	76302	5 x 0,25	PUR	brown, blue, black, white, grey		X	4,8	12,0	30,0	24
76287	76303	2 x 0,34	PUR	brown, blue		X	4,9	6,5	30,0	22
76288	76304	3 x 0,34	PUR	brown, blue, black		X	4,9	9,8	30,0	22
76289	76305	4 x 0,34	PUR	brown, blue, black, white		X	5,2	13,1	43,0	22
76290	76306	5 x 0,34	PUR	brown, blue, black, white, grey		X	5,9	16,4	54,0	22
78265	78266	5 G 0,34	PUR	brown, blue, black, white, green-yellow		X	5,9	16,4	54,0	22
76291	76307	2 x 0,5	PUR	brown, blue		X	5,0	9,6	40,0	20
78267	78268	3 G 0,5	PUR	JZ, black with numbering + greenyellow		X	5,7	14,4	43,0	20
76292	76308	3 x 0,5	PUR	brown, blue, black		X	5,0	14,4	40,0	20
76293	76309	4 x 0,5	PUR	brown, blue, black, white		X	5,5	19,2	47,0	20
76294	76310	5 x 0,5	PUR	brown, blue, black, white, grey		X	6,0	24,0	55,0	20

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# SENSORFLEX-H sensor actuator cables, halogen-free, high flexible drag chain cable, PUR, mantle EVA +125°C



## SENSORFLEX-H (Li12Y11Y) high flexible drag chain cable, PUR

Part no. black	grey	Cable structure No. cores x cross-sec. mm <sup>2</sup>	Jacket material	Core colours	Fine wire	High flex **	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
76295	76311	2 x 0,75	PUR	brown, blue		X	5,7	14,4	47,0	18
78269	78270	3 G 0,75	PUR	brown, blue, green-yellow		X	5,9	21,6	54,0	18
76296	76312	3 x 0,75	PUR	brown, blue, black		X	5,9	21,6	54,0	18
78271	78272	4 G 0,75	PUR	brown, blue, black, green-yellow		X	6,2	28,8	67,0	18
76297	76313	4 x 0,75	PUR	brown, blue, black, white		X	6,0	28,8	66,0	18
78273	78274	5 G 0,75	PUR	JZ, black with numbering + greenyellow		X	7,0	36,0	80,0	18
76298	76314	5 x 0,75	PUR	brown, blue, black, white, grey		X	7,0	36,0	80,0	18

## SENSORFLEX-H (Li9Y11Y) high flexible drag chain cable, PUR

Part no.	Jacket colour	Cable structure No. cores x cross-sec. mm <sup>2</sup>	Jacket material	Core colours	Fine wire	High flex **	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
75801	Grey RAL 7001	3 x 0,25	PUR	brown, blue, black		X	4,5	7,2	22,0	24
77468	Grey RAL 7001	4 x 0,25	PUR	brown, blue, black, white		X	4,7	9,6	26,0	24
76705	Grey RAL 7001	8 x 0,25	PUR	DIN 47100		X	6,0	19,2	49,0	24
77427	Grey RAL 7001	4 x 0,34	PUR	brown, blue, black, white		X	4,9	13,1	43,0	22
77428	Grey RAL 7001	3 G 0,75	PUR	JZ, black with numbering + greenyellow		X	6,2	21,6	54,0	18
78275	Grey RAL 7001	3 x 0,75	PUR	JZ, black with numbering + greenyellow		X	6,2	21,6	54,0	18
77429	Grey RAL 7001	4 G 0,75	PUR	JZ, black with numbering + greenyellow		X	6,2	28,8	66,0	18

## SENSORFLEX-H (Li4G4G) unqualified for drag chain cable, sheath EVA

Part no.	Jacket colour	Cable structure No. cores x cross-sec. mm <sup>2</sup>	Jacket material	Core colours	Fine wire	High flex **	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
78359	Red-brown RAL 8016	4 G 0,75	EVA	brown, blue, black, green-yellow	X		7,0	28,8	65,0	18
73575	Red-brown RAL 8016	3 G 1	EVA	brown, blue, green-yellow	X		7,0	29,0	60,0	17

Dimensions and specifications may be changed without prior notice.