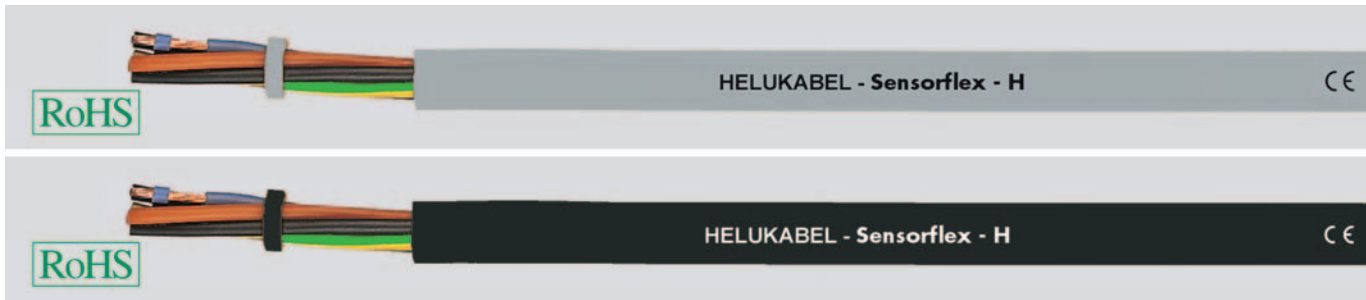


SENSORFLEX®-H sensor actuator cables, halogen-free, high flexible drag chain cable, PUR



Technical data

- **Temperature range**
flexing -30°C to +80°C
fixed installation -40°C to +80°C
- **Operating voltage**
up to 0,25 mm² 350 V
from 0,34 mm² 500 V
- **A.c. test voltage, 50 Hz**
up to 0,25 mm² 1200 V
from 0,34 mm² 2000 V
- **Minimum bending radius**
SENSORFLEX®-H (Li12Y11Y)
5x cable Ø
SENSORFLEX®-H (Li9Y11Y)
7,5x cable Ø

Cable structure

- **SENSORFLEX®-H (Li12Y11Y)**
 - Bare copper-conductor, to DIN VDE 0295 cl.6, extra fine-wire, BS 6360 cl.6, IEC 60228 cl.6
 - Core insulation of TPE
 - Core identification see table below
 - Outer sheath of PUR
 - Sheath colour see table below
- **SENSORFLEX®-H (Li9Y11Y)**
 - Bare copper-conductor, to DIN VDE 0295 cl.6, extra fine-wire, BS 6360 cl.6, IEC 60228 cl.6
 - Core insulation of PP
 - Core identification see table below
 - Outer sheath of PUR
 - Sheath colour see table below

Properties

- low adhesion, extremely abrasion resistant, resistant to hydrolysis and microbial attack
- Highly flexible drag chain cable

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/EC.

SENSORFLEX®-H (Li12Y11Y) sensor actuator cables, halogen-free, high flexible drag chain cable, PUR

Part no. black	grey	Cable structure No. cores x cross-sec. mm ²	Sheath 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	BN, BU		X	4,4	4,8	22,0	24
76284	76300	3 x 0,25	PUR	BN, BU, BK		X	4,4	7,2	22,0	24
76285	76301	4 x 0,25	PUR	BN, BU, BK, WH		X	4,7	9,6	26,0	24
76286	76302	5 x 0,25	PUR	BN, BU, BK, WH, GY		X	4,8	12,0	30,0	24
76287	76303	2 x 0,34	PUR	BN, BU		X	4,9	6,5	30,0	22
76288	76304	3 x 0,34	PUR	BN, BU, BK		X	4,9	9,8	30,0	22
76289	76305	4 x 0,34	PUR	BN, BU, BK, WH		X	5,2	13,1	43,0	22
76290	76306	5 x 0,34	PUR	BN, BU, BK, WH, GY		X	5,9	16,4	54,0	22
78265	78266	5 G 0,34	PUR	BN, BU, BK, WH, GN-YE		X	5,9	16,4	54,0	22
76291	76307	2 x 0,5	PUR	BN, BU		X	5,0	9,6	40,0	20
78267	78268	3 G 0,5	PUR	BK with number, GN-YE		X	5,7	14,4	43,0	20
76292	76308	3 x 0,5	PUR	BN, BU, BK		X	5,0	14,4	40,0	20
76293	76309	4 x 0,5	PUR	BN, BU, BK, WH		X	5,5	19,2	47,0	20
76294	76310	5 x 0,5	PUR	BN, BU, BK, WH, GY		X	6,0	24,0	55,0	20

Continuation ▶

SENSORFLEX®-H sensor actuator cables, halogen-free, high flexible drag chain**cable, PUR****SENSORFLEX®-H (Li12Y11Y) sensor actuator cables, halogen-free, high flexible drag chain cable, PUR**

Part no.	black	grey	Cable structure No. cores x cross-sec. mm ²	Sheath 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	BN, BU		X	5,7	14,4	47,0	18
78269		78270	3 G 0,75	PUR	BN, BU, GN-YE		X	5,9	21,6	54,0	18
76296		76312	3 x 0,75	PUR	BN, BU, BK		X	5,9	21,6	54,0	18
78271		78272	4 G 0,75	PUR	BN, BU, BK, GN-YE		X	6,2	28,8	67,0	18
76297		76313	4 x 0,75	PUR	BN, BU, BK, WH		X	6,0	28,8	66,0	18
78273		78274	5 G 0,75	PUR	BK with number, GN-YE		X	7,0	36,0	80,0	18
76298		76314	5 x 0,75	PUR	BN, BU, BK, WH, GY		X	7,0	36,0	80,0	18

SENSORFLEX®-H (Li9Y11Y) sensor actuator cables, halogen-free, high flexible drag chain cable, PUR

Part no.	Sheath colour	Cable structure No. cores x cross-sec. mm ²	Sheath material	Core colours	Fine wire	High flex **	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
75801	GY RAL 7001	3 x 0,25	PUR	BN, BU, BK		X	4,5	7,2	22,0	24
77468	GY RAL 7001	4 x 0,25	PUR	BN, BU, BK, WH		X	4,7	9,6	26,0	24
76705	GY RAL 7001	8 x 0,25	PUR	DIN 47100		X	6,0	19,2	49,0	24
77427	GY RAL 7001	4 x 0,34	PUR	BN, BU, BK, WH		X	4,9	13,1	43,0	22
77428	GY RAL 7001	3 G 0,75	PUR	BK with number, GN-YE		X	6,2	21,6	54,0	18
78275	GY RAL 7001	3 x 0,75	PUR	BK with number, GN-YE		X	6,2	21,6	54,0	18
77429	GY RAL 7001	4 G 0,75	PUR	BK with number, GN-YE		X	6,2	28,8	66,0	18

Dimensions and specifications may be changed without prior notice.