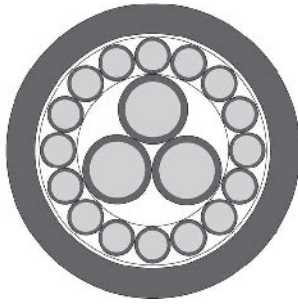


VERTEILERFLEX two-approvals sensor actuator and distributor cables PVC, PUR, PVC/PUR



Technical data

- Special PVC or PUR sheath acc. to UL Style 2464 for PVC, or UL Style 20233 for PUR
- **Temperature range**
flexing -5°C to +80°C
fixed installation -30°C to +80°C
- **Nominal voltage** 300/500 V
- **A.c. test voltage**, 50 Hz
to 0,25 mm² 1200 V
from 0,34 mm² 2000 V
- **Minimum bending radius**
Sensorflex Two approvals PVC
approx. 7,5x cable Ø
Sensorflex Two approvals PUR
approx. 15x cable Ø

Cable construction

PVC cables

- Bare copper, fine wire in acc. with DIN VDE 0295 cl. 5 or IEC 60228 cl. 5
- PVC core insulation, core colours see below
- Special PVC

PUR cables

- Bare copper, ultra-fine wire conductors acc. to DIN VDE 0295 cl. 6 and/or IEC 60228 cl. 6
- PVC core insulation
- Core colours see below
- PUR sheath

Part Nos. 79907, 75642, 79850

- Construction like SENSORFLEX two-approvals, except
- with polypropylene core insulation

Properties

PVC cables

- Extensively oil resistant.
Chemical Resistance - see table Technical Informations
- PVC self-extinguishing and flame retardant according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)

PUR cables

- Low adhesion, extremely abrasion resistant, resistant to hydrolysis and microbial attack

Special feature

- The cables with the highly flexible stranded conductor, cl. 6, are suitable for drag chain applications
- The types with PVC/PUR sheath material have a PVC inner sheath, with a PUR sheath applied over it by means of coextrusion

Note

- All additional cross-sections, also with UL/CSA approval, are available on request.

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 73/23/EEC and 93/68/EEC.

SENSORFLEX 2-APPROVALS

Part No.	Jacket colour	Cable structure No. cores x cross-sec. mm ²	Jacket material	Core colours	Fine wire	High flex**	Outer ø ca. mm	Cop. weight kg/km	Weight ca. kg/km	AWG-No.
78284	Grey RAL 7001	3 x 0,25	PUR	brown, blue, black		X	4,4	7,2	18,0	24
79907	Grey RAL 7001	4 x 0,25	PUR	brown, blue, black, white		X	4,7	9,6	18,0	24
78286	Grey RAL 7001	6 x 0,25	PVC	brown, blue, black, white, grey, pink	X		5,2	14,4	36,0	24
76345	Grey RAL 7001	3 x 0,34	PVC	brown, blue, black	X		4,9	9,8	30,0	22
76347	Grey RAL 7001	4 x 0,34	PVC	brown, blue, black, white		X	5,2	13,1	43,0	22
76349	Grey RAL 7001	5 x 0,34	PVC/PUR	brown, blue, black, white, green-yellow		X	5,9	16,4	54,0	22
76348	Grey RAL 7001	5 x 0,34	PVC/PUR	brown, blue, black, white, green-yellow	X		5,9	16,4	54,0	22
78287	Grey RAL 7001	5 x 0,34	PVC/PUR	JZ, black with numbering + greenyellow		X	5,9	16,4	54,0	22
79850	Grey RAL 7001	5 x 0,34	PUR	brown, blue, black, white, green-yellow		X	5,9	16,4	54,0	22
76351	Grey RAL 7001	3 x 0,75	PVC	brown, blue, green-yellow	X		6,7	28,8	88,0	18
75642	Black RAL 9005	3 x 0,75	PUR	JZ, black with numbering + greenyellow		X	5,9	21,6	58,0	18
73571	Grey RAL 7001	3 x 0,75	PVC	JZ, black with numbering + greenyellow	X		6,7	21,6	58,0	18
78288	Grey RAL 7001	3 x 0,75	PUR	JZ, black with numbering + greenyellow		X	5,9	21,6	58,0	18
74551	Grey RAL 7001	4 x 0,75	PUR	JZ, black with numbering + greenyellow		X	6,9	29,0	66,0	18
78289	Grey RAL 7001	4 x 0,75	PVC/PUR	JZ, black with numbering + greenyellow	X		7,0	29,0	66,0	18
78290	Grey RAL 7001	2 x 1,0	PVC	black with number 1-2	X		7,2	19,2	56,0	17
77352	Black RAL 9005	2 x 1,0	PVC	black with number 1-2	X		7,2	19,2	56,0	17
76350	Grey RAL 7001	11 x 1,0	PVC/PUR	black with number 1-8, bn, bu, gn, ye	X		12,0	105,6	225,0	17
78291	Grey RAL 7001	2 x 1,5	PVC	brown, blue	X		6,8	29,0	75,0	16
73587	Grey RAL 7001	3 x 1,5	PVC	brown, blue, green-yellow	X		6,9	44,0	94,0	16

Dimensions and specifications may be changed without prior notice.

Continuation ►