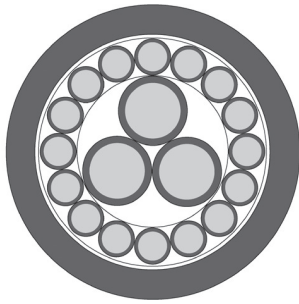


# VERTEILERFLEX for sensor actuator distributor boxes, PVC, PUR or PVC/PUR



## Technical data

- **Temperature range**  
flexing -5°C to +80°C  
fixed installation -30°C to +80°C
- **Operating voltage**  
U<sub>0</sub>/U 300/500 V
- **A.c. test voltage**, 50 Hz  
2000 V
- **Minimum bending radius**  
flexibel 15x cable Ø  
highly flexible 7,5x cable Ø

## Cable structure

### PVC cables

- Bare copper-conductor, acc. to DIN VDE 0295 cl.5, fine-wire, BS 6360 cl.5, IEC 60228 cl.5
- Core insulation of PVC
- Core identification see table below
- Outer sheath of special PVC

### PUR cables

- Bare copper-conductor, to DIN VDE 0295 cl.6, extra fine-wire, BS 6360 cl.6, IEC 60228 cl.6
- Core insulation of PVC
- Core identification see table below
- Outer sheath of PUR

## Note

- All cables can be delivered with UL/CSA approbation and Cu shield.
- Further core numbers, cross-sections and sheath colours available on request.

## Properties

### PVC cables

- Extensively oil resistant.  
Chemical Resistance - see table Technical Informations
- PVC self-extinguishing and flame retardant acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2, 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

## Application

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.

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

Part no. black	grey	Cable structure No. cores x cross-sec. mm <sup>2</sup>	Sheath material	Core colours	Fine wire	High flex **	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
76105	76115	4 G 0,34	PVC	BN, BU, BK, WH, GN-YE	X		5,8	18,0	58,0	22
76639		4 G 0,34	PVC/PUR	YE, WH, GN, GY, GN-YE, BN, BU		X	8,7	36,0	82,0	22
76107	73574	6 G 0,34	PVC/PUR	WH, GN, YE, GY, PK, RD, BN, BU, GN-YE		X	9,1	42,0	106,0	22
72961	73993	8 G 0,34	PVC/PUR	GY, PK, RD, BK, VT, WH, GN, YE, BN, BU, GN-GE		X	9,1	48,0	110,0	22
76109	74729	8 x 0,34	PVC	WH, GN, YE, GY, PK, RD, BK, VT, BU, BN	X		9,1	41,0	107,0	22
76110	72951	8 x 0,34	PUR	WH, GN, YE, GY, PK, RD, BK, VT, BU, BN		X	9,1	41,0	107,0	22
76108	76117	8 x 0,34	PVC/PUR	WH, GN, YE, GY, PK, RD, BK, VT, BU, BN		X	8,8	36,0	102,0	22
71254	76118	11 x 0,34	PVC	BK with number 1-2, DIN 47100	X		10,0	65,0	143,0	22
76111	76119	12 x 0,34	PVC/PUR	PK, YE/BN, RD, GY/PK, WH, RD/BU, GN, WH/GN, YE, BN/GN, GY, WH/YE		X	10,3	61,0	138,0	22
	77642	16 G 0,34	PVC/PUR	BU with number 1-2, GN-YE, GY/PK, WH, RD/BU, GN, WH/GY, YE, BN/GY, WH/YE, PK, YE/BN, RD, WH/GY, BK, GY/BN, VT		X	12,5	89,0	193,0	22
76112	76120	16 G 0,34	PVC/PUR	BN, GY/PK, RD/BU, WH/GN, BN/GN, WH/YE, YE/BN, WH/GY, GY/BN, BU, WH, GN, YE, GY, PK, RD, BK, VT, GN-GE		X	10,5	74,0	170,0	22
76113	76121	8 G 0,5	PUR	BN, BU, GN-GE, GY/PK, RD/BU, WH/GN, BN/GN, WH, GN, YE, GY		X	9,9	68,0	136,0	20
76114	76122	12 G 0,5	PUR	GY/PK, RD/BU, WH/GN, BN/GN, WH/YE, YE/BN, WH, GN, YE, GY, PK, RD, BN, BU, GN-YE		X	10,4	87,0	160,0	20
	79921	14 x 0,5	PVC	BK with number 1-14, BN with number 1-2, BU with number 1-2	X		12,3	125,0	201,0	20
76640		16 G 0,5	PVC/PUR	GY, BN/GN, GN, RD/BU, GY/PK, WH, WH/GN, WH/GY, BK, WH/YE, PK, YE, RD, YE/BN, VT, GY/BN, GN-GE, BN, BU		X	11,6	106,0	183,0	20
74034	76123	16 G 0,5	PUR	GY/PK, WH, RD/BU, GN, WH/GN, YE, BN/GN, GY, WH/YE, PK, YE/BN, RD, WH/GN, BK, VT, BN, BU, GN-YE		X	11,6	106,0	183,0	20

Dimensions and specifications may be changed without prior notice.