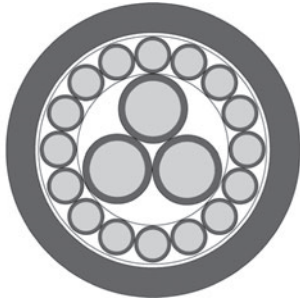


VERTEILERFLEX for sensor actuator distributor boxes, PVC, PUR or PVC/PUR



Technical data

- **Temperature range**
flexing -5 °C to +80 °C
fixed installation -30 °C to +80 °C
- **Operating voltage**
U₀/U 300/500 V
- **A.c. test voltage**, 50 Hz
2000 V
- **Minimum bending radius**
highly flexible approx. 7,5x cable ø
flexibel approx. 15x cable ø

Cable structure

PVC cables

- Bare copper, fine wire conductors in acc. with DIN VDE 0295 cl. 5 and/or cl. 6 and/or IEC 60228 cl. 5 and cl. 6
- PVC core insulation
- Core colours see below
- Special PVC sheath

PUR cables

- Bare copper, extra fine wire conductor to DIN VDE 0295 cl. 6 and IEC 60228 cl. 6
- PVC core insulation
- Core colours see below
- PUR sheath

Properties

PVC cables

- Extensively oil resistant.
Chemical Resistance - see table Technical Informations
- PVC self-extinguishing and flame retardant according to 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

Note

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

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/EG.

Part no. black	grey	Cable structure No. cores x cross-sec. mm ²	Jacket material	Core colours	Fine wire	High flex **	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
76105	76115	4 G 0,34	PVC	brown, blue, black, white, green-yellow	X		5,8	18,0	58,0	22
76639		4 G 0,34	PVC/PUR	yellow, white, green, grey, green-yellow, brown, blue		X	8,7	36,0	82,0	22
76107	73574	6 G 0,34	PVC/PUR	white, green, yellow, grey, pink, red, brown, blue, green-yellow		X	9,1	42,0	106,0	22
72961	73993	8 G 0,34	PVC/PUR	grey, pink, red, black, violet, white, green, yellow, brown, blue, green-yellow		X	9,1	48,0	110,0	22
76109	74729	8 x 0,34	PVC	white, green, yellow, grey, pink, red, black, violet, blue, brown	X		9,1	41,0	107,0	22
76110	72951	8 x 0,34	PUR	white, green, yellow, grey, pink, red, black, violet, blue, brown		X	9,1	41,0	107,0	22
76108	76117	8 x 0,34	PVC/PUR	white, green, yellow, grey, pink, red, black, violet, blue, brown		X	8,8	36,0	102,0	22
71254	76118	11 x 0,34	PVC	black with number 1-2+DIN 47100	X		10,0	65,0	143,0	22
76111	76119	12 x 0,34	PVC/PUR	pink, ye, bn, rd, gypk, white, rdbu, green, whgn, yellow, bngn, gy, whye		X	10,3	61,0	138,0	22
	77642	16 G 0,34	PVC/PUR	blue with no:1-2 + gnye, gypk, wh, rdbu, gn, whgy, ye, bngy, whye, pk, ye, bn, rd, whgy, bk, gybn, vt		X	12,5	89,0	193,0	22
76112	76120	16 G 0,34	PVC/PUR	bn, gypk, rdbu, whgn, bngn, whye, ye, bn, gybn, bu, wh, gn, ye, gy, pk, rd, bk, vt, gnye		X	10,5	74,0	170,0	22
76113	76121	8 G 0,5	PUR	brown, blue, green-yellow, grey-pink, red-blue, white-green, brown-green, white, green, yellow, grey		X	9,9	68,0	136,0	20
76114	76122	12 G 0,5	PUR	gypk, rdbu, whgn, bngn, whye, ye, bn, white, green, yellow, grey, pink, red, brown, blue, gnye		X	10,4	87,0	160,0	20
	79921	14 x 0,5	PVC	Black, with printing BR1, BR2, BL1, BL, numbers 1-14	X		12,3	125,0	201,0	20
76640		16 G 0,5	PVC/PUR	gy, bngn, gn, rdbu, gypk, wh, whgn, whgy, bk, whye, pk, ye, rd, ye, bn, vt, gybn, gnye, bn, bu		X	11,6	106,0	183,0	20
74034	76123	16 G 0,5	PUR	gypk, wh, rdbu, gn, whgn, ye, bngn, gy, whye, pk, ye, bn, rd, whgn, bk, vt, bn, bu, gnye		X	11,6	106,0	183,0	20

Dimensions and specifications may be changed without prior notice.