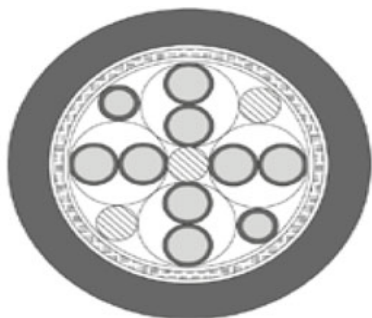


Feedback cables according to Siemens-, Lenze- or Bosch Rexroth Standard
with PVC-sheath for fixed or not constantly movements



Technical data

Special PVC feedback cable acc. to
UL AWM style 20233 and CSA
Temperature range
flexing -0°C to + 60°C
fixed installation -20°C to +80°C
Nominal voltage
acc. to Siemens 30V
acc. to Bosch Rexroth and Lenze 300 V
A.c. test voltage,
core/core 1500 V
core/screen 100 V
Minimum bending radius
flexing 15x cable Ø
fixed installation 6x cable Ø
min. 100.000 cycles

Cable structure

Copper-conductor bare or tinned to
DIN VDE 0295 cl. 6, extra fine-wire,
IEC 60228 cl. 6
Core insulation of special polypropylene
Core colours on request
Overall screening of tinned copper wire
braid with tinned drain wire, coverage
approx. 85%
Polyester foil
Outer sheath of PVC
Sheath colour green (RAL 6018)
acc. to DESINA® or orange

Properties

Outer sheath of PVC, oilresistant
Optimum compliance with requirements
for elect romagnetic compatibility (EMC) by
approx. 85% coverage from the braided
screen
These cables are produced to high quality
specifications and conform to the
DESINA®-standard
The materials used in manufacture are
cadmium-free and contain no silicone and
free from substances harmful to
the wetting properties of lacquers
Tests
PVC sheath flame retardant acc. to
DIN EN 60332-1-1 bis -1-3
(VDE 0482-332-1-1 bis -1-3)

Note

For a corresponding motor- and servocables please check chapter TOPSERV® PVC

For drag chain capable encoder cables please check chapter TOPGEBER 512 PUR

Brackets () indicate screen.

SIEMENS product designations 6FX 5008-... are registered trademarks of Siemens AG and are to be used only for purposes of comparison.

INDRAMAT product designation INK- are registered trademarks os Bosch-Rexroth AG and are to be used only for purposes of comparison.

LENZE product designations are registered trademarks of LENZE AG, and are to be used only for purposes of comparison.

DESINA®: Explanation: see introduction.

Application

Low cost alternativ to Motorcables with PUR Sheath for fix instalation or occasional moving application. These low-capacitance incremental encoder cables or position feedback cables transmit the control pulses for positioning and operating characteristics of servomotors. These cables are used as cooecting cables for tachos, brakes and pulse generators in industrial equipment, machine tools, control and automation equipment.

EMC = Electromagnetic compatibility

To optimize the EMC features we recommend a large round contact of the copper braiding on both ends.

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



According to Standard	Part No. HELUKABEL	Part No. OEM	No. of Cores	Cable Structure / Sheath Colour	Cop. Weight app. kg/km	Weight app. kg/km	Puter Diameter app. mm
Siemens	707417	6FX5008-1 BD21	12	(4 x 2 x 0.34 + 4 x 0.5) C	70	116	8.9
	707389	6FX5008-1 BD41	12	(3 x (2 x 0.14) D + 4 x 0.14 + 2 x 0.5) C	66	114	8.9
	707390	6FX5008-1 BD51	16	(3 x (2 x 0.14) D + 4 x 0.14 + 4 x 0.25 + 2 x 0.5) C	75	129	9.4
	803672	6FX5008-2 DC00	6	(2 x 2 x 0.22 + 1 x 2 x 0.34)	38	61	6.9
	802471	6FX5008-1 DC00	4	(2 x 2 x 0.22)	35	71	6.9
Bosch	705461	INK 448	10	(4 x 2 x 0.25 + 2 x 0.5) C	61	95	8.4
Rexroth	707392	INK 209	10	(4 x 2 x 0.25 + 2 x 1.0) C	64	119	8.8
	707394	INK 532	16	(4 x 1 + 4 x 2 x 0.14 + (4 x 0.14) D) C	84	145	9.7
Lenze	707077	Li9YY	8	3 x (2 x 0.14) C + (2 x 0.5) C	54	110	9.3
	707397	Li9YY	10	4 x (2 x 0.14) C + (2 x 1.0) C	70	156	11.0
	707398	Li9YY	9	3 x (2 x 0.14) C + (3 x 0.14) C	41	106	9.2
Various	705615	Li9YC11C	16	(7 x 2 x 0.14 + 2 x 0.5) C	46	86	7.6

COLOUR CODE - TOPGEBER® 511 PVC

According to Standard	Part No. HELUKABEL	Colour Code
Siemens	707417	bn+bk; rd+og; bu+vt; gy+ye (0.34qmm pairs) • bu/wh; rd/wh; ye/wh (0.5qmm)
	707389	gn+ye; bk+bn; rd+og (0.14qmm pairs) • bn/rd+bn/bu (0.5qmm) • gy+bu+wh/ye+wh/sw (0.14qmm quad)
	707390	gn+ye; bk+bn; rd+og (0.14qmm pairs) • bn/rd+bn/bu (0.5qmm) • gy+bu+wh/ye+wh/sw (0.14qmm quad)
	803672	gn+ye; pk+bu (0.22qmm) • rd+bk (0.34qmm)
	802471	gn+ye; pk+bu (0.22qmm)
Bosch Rexroth	705461	gn+bn; bk+rd; gy+pk; bu+vt (0.25qmm pairs) • wh+bn (0.5qmm)
	707392	gn+bn; bk+rd; gy+pk; bu+vt (0.25qmm pairs) • wh+bn (1.0qmm)
	707394	ye/bk+bu/bk+gn/bk+rd/bk (0.14qmm quad) • wh+bn/gn+wh/gn+bu (1.0qmm) • rd+bk; bn+gn; ye+vt; gy+pk (0.14qmm pairs)
Lenze	707077	bk+ye; bk+gn; bk+rd (0.14qmm pairs) • bk+wh (0.5qmm)
	707397	bk+ye; bk+gn; bk+rd; bk+bu (0.14qmm pairs) • bk+wh (1.0qmm)
	707398	bk+ye; bk+gn; bk+rd (0.14qmm pairs) • bk+gy+pk (0.14qmm)
Various	705615	wh, br (0.5qmm); wh+br; gn+ye; gy+pink; bu+rd; bk+violet; gy-pink+rb-bu; wh-gn; bn-gn (0.14qmm pairs)