

Drive technology





Harnessed
according to standard Cable type Jacket Page

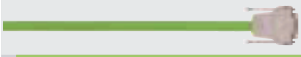



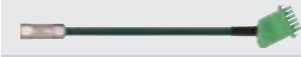

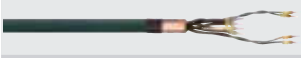
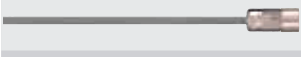
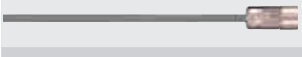
Cables for Drive Technology

		Siemens – Selection for part no. and material	276
	Siemens	Servo cable	PUR/PVC 278
	Siemens	Power cable	TPE/PVC 282
	Siemens	Signal cables/encoder	TPE/PVC 286
		Lenze – Selection for part no. and material	294
	Lenze	Servo cable	PUR/PVC 296
	Lenze	Power cable	PUR/PVC 300
	Lenze	Signal cables/encoder (Resolver)	TPE/PVC 304
	Lenze	Signal cables/encoder (Encoder)	TPE/PVC 308
	Lenze	Signal cables/encoder (Feedback)	TPE/PVC 312
	Lenze	Signal cables/encoder (Decoder)	TPE/PVC 316
	Lenze	Control cable (Fan)	TPE/PVC 320
		Rexroth – Selection for part no. and material	324
	Rexroth	Servo cable	PUR/PVC 326
	Rexroth	Signal cables/encoder	TPE/PVC 334
		Fanuc – Selection for part no. and material	338
	Fanuc	Servo cable	PUR 340
	Fanuc	Signal cables/encoder	TPE 344
		SEW – Selection for part no. and material	348
	SEW	Servo cable	PUR/PVC 350
	SEW	Power cable	TPE/PVC 354
	SEW	Signal cables/encoder	TPE/PVC 358

"Siemens" is a registered trademark of Siemens AG, München / "Lenze" is a registered trademark of Lenze GmbH & Co KG, Extertal / "Rexroth" is a registered trademark of Bosch Rexroth AG, Lohr / "Fanuc" is a registered trademark of Fanuc Ltd., Tokyo/Yamanashi / "SEW" is a registered trademark of SEW-EURODRIVE GmbH & Co KG, Bruchsal

Chainflex® ReadyCable®



	Harnessed according to standard	Cable type	Jacket	Page
Cables for Drive Technology				
		Heidenhain – Selection for part no. and material		362
	Heidenhain	Signal cables/encoder	PUR/TPE	364
		ELAU – Selection for part no. and material		368
	ELAU	Servo cable	PVC/PUR	370
	ELAU	Signal cables/encoder	PVC/TPE	372
		Danaher Motion – Selection for part no. and material		374
	Danaher Motion	Signal cables/encoder	PVC/TPE	376
	Danaher Motion	Servo cable	PVC/PUR	380
	Danaher Motion	Power cable	PVC/TPE	384
		B&R – Selection for part no. and material		388
	B&R	Servo cable	PVC/PUR	390
	B&R	Signal cables/encoder (Resolver)	PVC/TPE	392
	B&R	Signal cables/encoder (EnDat)	PVC/TPE	394

"Heidenhain" is a registered trademark of Dr. Johannes Heidenhain GmbH, Traunreut / "ELAU" is a registered trademark of Elektronik-Automations-AG, Marktheidenfeld / "Danaher Motion" is a registered trademark of Danaher Motion Technology LLC, Delaware

Chainflex[®] servo cable

harnessed according to Siemens standard

Technical information

- Oil-resistant and coolant-resistant, shielded
- Notch-resistant, hydrolysis-resistant and microbe-resistant
- Intermediate jacket on the basis of PUR
- **Signal pairs:** pair shielding of extremely readily bending/firm cooper shield, coverage approx. 70% linear, 90% optical, and metal foil
- **Nominal voltage:** 600/1000 V

Chainflex[®] PUR servo cable: Basic cables

Siemens Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
------------------	----------------------------	--	------	----------------



6FX8002-5DA01	MAT9060001	(4 G 1.5+(2x1.0)C)C	12.5	7.5 x d
6FX8002-5DA11	MAT9060002	(4 G 2.5+(2x1.0)C)C	13.5	7.5 x d



6FX8002-5DA21	MAT9060003	(4 G 1.5+(2x1.0)C)C	12.5	7.5 x d
6FX8002-5DA31	MAT9060004	(4 G 2.5+(2x1.0)C)C	13.5	7.5 x d
6FX8002-5DA41	MAT9060005	(4 G 4.0+(2x1.0)C)C	15.5	7.5 x d
6FX8002-5DA51	MAT9060006	(4 G 6.0+(2x1.0)C)C	17.5	7.5 x d
6FX8002-5DA61	MAT9060007	(4 G 10.0+(2x1.0)C)C	20.5	7.5 x d



6FX8002-5DA23	MAT9060008	(4 G 16.0+(2x1.0)C)C	24.0	7.5 x d
6FX8002-5DA33	MAT9060009	(4 G 25.0+(2x1.5)C)C	28.5	7.5 x d
6FX8002-5DA43	MAT9060010	(4 G 35.0+(2x1.5)C)C	32.5	7.5 x d



6FX8002-5DS01	MAT9060020	(4G1.5+(2x1.0)C)C	12.5	7.5 x d
6FX8002-5DS21	MAT9060021	(4G1.5+(2x1.0)C)C	12.5	7.5 x d
6FX8002-5DS21	MAT9060022	(4G10.0+(2x1.0)C)C	20.5	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor



- **Overall shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- **Temperature range (moved):** -20 °C to +80 °C
- **Minimum bending radius for use in Energy Chains®:** 7.5 x cable diameter
- **Colour:** orange (similar to RAL 2003)

Chainflex® PUR servo cable: Extension cables

Siemens Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
------------------	----------------	---	------	----------------



6FX8002-5DA05	MAT9061001	(4 G 1.5+(2x1.0)C)C	12.5	7.5 x d
6FX8002-5DA15	MAT9061002	(4 G 2.5+(2x1.0)C)C	13.5	7.5 x d



6FX8002-5DA28	MAT9061003	(4 G 1.5+(2x1.0)C)C	12.5	7.5 x d
6FX8002-5DA38	MAT9061004	(4 G 2.5+(2x1.0)C)C	13.5	7.5 x d
6FX8002-5DA48	MAT9061005	(4 G 4.0+(2x1.0)C)C	15.5	7.5 x d
6FX8002-5DA58	MAT9061006	(4 G 6.0+(2x1.0)C)C	17.5	7.5 x d
6FX8002-5DA68	MAT9061007	(4 G 10.0+(2x1.0)C)C	20.5	7.5 x d

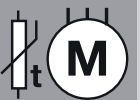
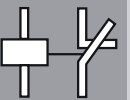


6FX8002-5DX28	MAT9061008	(4 G 16.0+(2x1.0)C)C	24.0	7.5 x d
6FX8002-5DX38	MAT9061009	(4 G 25.0+(2x1.5)C)C	28.5	7.5 x d
6FX8002-5DX48	MAT9061010	(4 G 35.0+(2x1.5)C)C	32.5	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
 G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFSIEMENS (for up to 10 cuts of the same type)

Chainflex[®] servo cable

harnessed according to Siemens standard

Technical information

- Oil-resistant
- Flame-retardant, shielded
- Intermediate jacket on the basis of PVC
- **Temperature range (moved):** -5 °C to +70 °C
- **Nominal voltage:** 600/1000 V
- **Signal pairs:** pair shielding of extremely readily bending/firm cooper shield, coverage approx. 70% linear, 90% optical, and metal foil

Chainflex[®] PVC servo cable, oil-resistant: Basic cables

Siemens Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
------------------	----------------------------	--	------	----------------



6FX8002-5DA01	MAT9160001	(4 G 1.5+(2x1.0)C)C	12.5	7.5 x d
6FX8002-5DA11	MAT9160002	(4 G 2.5+(2x1.0)C)C	13.5	7.5 x d



6FX8002-5DA21	MAT9160003	(4 G 1.5+(2x1.0)C)C	12.5	7.5 x d
6FX8002-5DA31	MAT9160004	(4 G 2.5+(2x1.0)C)C	13.5	7.5 x d
6FX8002-5DA41	MAT9160005	(4 G 4.0+(2x1.0)C)C	15.5	7.5 x d
6FX8002-5DA51	MAT9160006	(4 G 6.0+(2x1.0)C)C	18.0	7.5 x d
6FX8002-5DA61	MAT9160007	(4 G 10.0+(2x1.0)C)C	22.0	7.5 x d



6FX8002-5DA23	MAT9160008	(4 G 16.0+(2x1.0)C)C	24.5	7.5 x d
6FX8002-5DA33	MAT9160009	(4 G 25.0+(2x1.5)C)C	29.5	7.5 x d
6FX8002-5DA43	MAT9160010	(4 G 35.0+(2x1.5)C)C	33.0	7.5 x d



6FX8002-5DS01	MAT9160020	(4G1.5+(2x1.0)C)C	12.5	7.5 x d
6FX8002-5DS21	MAT9160021	(4G1.5+(2x1.0)C)C	12.5	7.5 x d
6FX8002-5DS61	MAT9160022	(4G10.0+(2x1.5)C)C	22.5	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor



- **Overall shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, 90% optical
- **Minimum bending radius for use in Energy**
Chains®: 7.5 x cable diameter
- **Colour:** green (similar to RAL 6005)

Chainflex® PVC servo cable, oil-resistant: Extension cables

Siemens Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
------------------	----------------	---	------	----------------



6FX8002-5DA05	MAT9161001	(4 G 1.5+(2x1.0)C)C	12.5	7.5 x d
6FX8002-5DA15	MAT9161002	(4 G 2.5+(2x1.0)C)C	13.5	7.5 x d

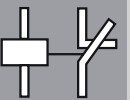


6FX8002-5DA28	MAT9161003	(4 G 1.5+(2x1.0)C)C	12.5	7.5 x d
6FX8002-5DA38	MAT9161004	(4 G 2.5+(2x1.0)C)C	13.5	7.5 x d
6FX8002-5DA48	MAT9161005	(4 G 4.0+(2x1.0)C)C	15.5	7.5 x d
6FX8002-5DA58	MAT9161006	(4 G 6.0+(2x1.0)C)C	18.0	7.5 x d
6FX8002-5DA68	MAT9161007	(4 G 10.0+(2x1.0)C)C	22.0	7.5 x d



6FX8002-5DX28	MAT9161008	(4 G 16.0+(2x1.0)C)C	24.5	7.5 x d
6FX8002-5DX38	MAT9161009	(4 G 25.0+(2x1.5)C)C	29.5	7.5 x d
6FX8002-5DX48	MAT9161010	(4 G 35.0+(2x1.5)C)C	33.0	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFSIEMENS (for up to 10 cuts of the same type)

Chainflex® power cable

harnessed according to Siemens standard

Technical information

- Oil-resistant and coolant-resistant
- Flame-retardant
- Shielded
- **Temperature range (moved):** -35 °C to +90 °C
- For maximum load requirements
- Intermediate jacket on the basis of TPE
- **Overall shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical

Chainflex® TPE power cable: Basic cables

Siemens Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
------------------	----------------	--	------	----------------



6FX8002-5CA01	MAT9050001	(4 G 1.5)C	10.0	7.5 x d
6FX8002-5CA11	MAT9050002	(4 G 2.5)C	11.5	7.5 x d



6FX8002-5CA21	MAT9050003	(4 G 1.5)C	10.0	7.5 x d
6FX8002-5CA31	MAT9050004	(4 G 2.5)C	11.5	7.5 x d
6FX8002-5CA41	MAT9050005	(4 G 4.0)C	13.0	7.5 x d
6FX8002-5CA51	MAT9050006	(4 G 6.0)C	15.0	7.5 x d
6FX8002-5CA61	MAT9050007	(4 G 10.0)C	20.0	7.5 x d



6FX8002-5CA23	MAT9050008	(4 G 16.0)C	22.0	7.5 x d
---------------	------------	-------------	------	---------



6FX8002-5CS01	MAT9050020	(4 G 1.5)C	9.5	7.5 x d
6FX8002-5CS21	MAT9050021	(4 G 1.5)C	9.5	7.5 x d
6FX8002-5CS31	MAT9050022	(4 G 2.5)C	11.0	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor



- **Nominal voltage:** 600/1000 V
- **Minimum bending radius for use in Energy**
Chains®: 7.5 x cable diameter
- **Colour:** black (similar to RAL 9005)

Chainflex® TPE power cable: Extension cables

Siemens Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
---------------------	-------------------	--	---------	-------------------



6FX8002-5CA05	MAT9051001	(4 G 1.5)C	10.0	7.5 x d
6FX8002-5CA15	MAT9051002	(4 G 2.5)C	11.5	7.5 x d



6FX8002-5CA28	MAT9051003	(4 G 1.5)C	10.0	7.5 x d
6FX8002-5CA38	MAT9051004	(4 G 2.5)C	11.5	7.5 x d
6FX8002-5CA48	MAT9051005	(4 G 4.0)C	13.0	7.5 x d
6FX8002-5CA58	MAT9051006	(4 G 6.0)C	15.0	7.5 x d
6FX8002-5CA68	MAT9051007	(4 G 10.0)C	20.0	7.5 x d

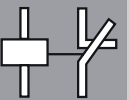


6FX8002-5CX28	MAT9051008	(4 G 16.0)C	22.0	7.5 x d
---------------	------------	-------------	------	---------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFSIEMENS (for up to 10 cuts of the same type)

Chainflex[®] power cable

harnessed according to Siemens standard

Technical information

- Oil-resistant
- Flame-retardant
- Shielded
- Intermediate jacket on the basis of PVC
- **Overall shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- **Temperature range (moved):** -5 °C to +70 °C

Chainflex[®] PVC power cable, oil-resistant: Basic cables

Siemens Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
------------------	----------------------------	--	------	----------------



6FX8002-5CA01	MAT9150001	(4 G 1.5)C	12.5	7.5 x d
6FX8002-5CA11	MAT9150002	(4 G 2.5)C	15.0	7.5 x d



6FX8002-5CA21	MAT9150003	(4 G 1.5)C	12.5	7.5 x d
6FX8002-5CA31	MAT9150004	(4 G 2.5)C	15.0	7.5 x d
6FX8002-5CA41	MAT9150005	(4 G 4.0)C	16.0	7.5 x d
6FX8002-5CA51	MAT9150006	(4 G 6.0)C	19.0	7.5 x d
6FX8002-5CA61	MAT9150007	(4 G 10.0)C	24.0	7.5 x d



6FX8002-5CA23	MAT9150008	(4 G 16.0)C	27.0	7.5 x d
---------------	------------	-------------	------	---------



6FX8002-5CS01	MAT9150020	(4 G 1.5)C	10.5	7.5 x d
6FX8002-5CS21	MAT9150021	(4 G 1.5)C	10.5	7.5 x d
6FX8002-5CS31	MAT9150022	(4 G 2.5)C	12.5	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor



- **Nominal voltage:** 600/1000 V
- **Minimum bending radius for use in Energy**
Chains®: 7.5 x cable diameter
- **Colour:** anthracite-gray (similar to RAL 7016)

Chainflex® PVC power cable, oil-resistant: Extension cables

Siemens Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
---------------------	-------------------	--	---------	-------------------



6FX8002-5CA05	MAT9151001	(4 G 1.5)C	12.5	7.5 x d
6FX8002-5CA15	MAT9151002	(4 G 2.5)C	15.0	7.5 x d



6FX8002-5CA28	MAT9151003	(4 G 1.5)C	12.5	7.5 x d
6FX8002-5CA38	MAT9151004	(4 G 2.5)C	15.0	7.5 x d
6FX8002-5CA48	MAT9151005	(4 G 4.0)C	16.0	7.5 x d
6FX8002-5CA58	MAT9151006	(4 G 6.0)C	19.0	7.5 x d
6FX8002-5CA68	MAT9151007	(4 G 10.0)C	24.0	7.5 x d

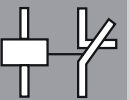


6FX8002-5CX28	MAT9151008	(4 G 16.0)C	27.0	7.5 x d
---------------	------------	-------------	------	---------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow **x** = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFSIEMENS

(for up to 10 cuts of the same type)

Chainflex[®] signal cable

harnessed according to Siemens standard

Technical information

- Oil-resistant and coolant-resistant, shielded
- Thin-walled, halogen-free
- **Minimum bending radius for use in Energy**
Chains[®]: 10 x cable diameter
- **Overall shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- **Temperature range (moved):** -35 °C to +100 °C

Chainflex[®] TPE signal/encoder cable, oil-resistant: Basic cables

Siemens Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	∅ mm	Bending radius
				
6FX8002-2AD00	MAT9070001	(3x(2x0.14)C+(4x0.14)+(2x0.5))C	10.5	10 x d
6FX8002-2CA11	MAT9070002	(4x(2x0.34)+4x0.5)C	9.5	10 x d
6FX8002-2CA15	MAT9070003	(3x(2x0.14)C+(4x0.14)+(2x0.5))C	10.5	10 x d
				
6FX8002-2CA31	MAT9070004	(3x(2x0.14)C+2x0.5+4x0.14+4x0.23)C	11.5	10 x d
				
6FX8002-2CA51	MAT9070005	(3x(2x0.14)C+(4x0.14)+(2x0.5))C	10.5	10 x d
6FX8002-2CA71	MAT9070006	(4x(2x0.34)+4x0.5)C	9.5	10 x d
				
6FX8002-2CB31	MAT9070007	(12x0.25)C	9.0	10 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor



- **Nominal voltage:** 30 V
- **Colour:** green (similar to RAL 6018)

Chainflex® TPE signal/encoder cable, oil-resistant: Basic cables

Siemens Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
---------------------	-------------------	--	---------	-------------------



6FX8002-2CB51	MAT9070008	(4x(2x0.34)+4x0.5)C	9.5	10 x d
6FX8002-2CC11	MAT9070009	(4x(2x0.34)+4x0.5)C	9.5	10 x d
6FX8002-2CD01	MAT9070010	(4x(2x0.34)+4x0.5)C	9.5	10 x d

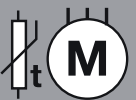
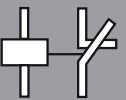


6FX8002-2CF01	MAT9070021	(3x(2x0.14)C+(4x0.14)+(2x0.5))C	10.5	10 x d
6FX8002-2CF02	MAT9070011	(3x(2x0.14)C+(4x0.14)+(2x0.5))C	10.5	10 x d
6FX8002-2CG00	MAT9070012	(4x(2x0.34)+4x0.5)C	9.5	10 x d
6FX8002-2CH00	MAT9070013	(3x(2x0.14)C+(4x0.14)+(2x0.5))C	10.5	10 x d



6FX8002-2CK00	MAT9070014	(3x(2x0.14)C+(2x0.5C))C	10.5	10 x d
---------------	------------	-------------------------	------	--------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow **x** = without earthed conductor



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFSIEMENS

(for up to 10 cuts of the same type)





















Chainflex[®] signal cable

harnessed according to Siemens standard

Technical information

- Oil-resistant and coolant-resistant, shielded
- Thin-walled, halogen-free
- **Minimum bending radius for use in Energy Chains[®]:** 10 x cable diameter
- **Overall shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- **Intermediate jacket on the basis of TPE**

Chainflex[®] TPE signal/encoder cable, oil-resistant: Basic cables

Siemens Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
				
6FX8002-2CL00	MAT9070015	(3x(2x0.14)C+(2x0.5C))C	10.5	10 x d
				
6FX8002-2EQ00	MAT9070016	(3x(2x0.14)C+2x0.5+4x0.14+4x0.23)C	11.5	10 x d
6FX8002-2EQ10	MAT9070017	(3x(2x0.14)C+2x0.5+4x0.14+4x0.23)C	11.5	10 x d
				
6FX8002-2AH00	MAT9070018	(4x(2x0.34)+4x0.5)C	9.5	10 x d
				
6FX8002-2DC10	MAT9070030	(2x(2x0.15)+2x0.38)C	7.5	12 x d
6FX8002-2DC20	MAT9070031	(2x(2x0.15)+2x0.38)C	7.5	12 x d
6FX8002-1DC00	MAT9070032	(2x(2x0.15)+2x0.38)C	7.5	12 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor



- Temperature range (moved): -35 °C to +100 °C
- Nominal voltage: 30 V
- Colour: green (similar to RAL 6018)

Chainflex® TPE signal/encoder cable, oil-resistant: Extension cables

Siemens Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
------------------	----------------	---	------	----------------



6FX8002-2AD04	MAT9071001	(3x(2x0.14)C+(4x0.14)+(2x0.5))C	10.5	10 x d
6FX8002-2CB54	MAT9071002	(4x(2x0.34)+4x0.5)C	9.5	10 x d
6FX8002-2CA54	MAT9071003	(3x(2x0.14)C+(4x0.14)+(2x0.5))C	10.5	10 x d
6FX8002-2CA34	MAT9071004	(3x(2x0.14)C+2x0.5+4x0.14+4x0.23)C	11.5	10 x d

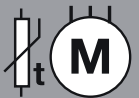
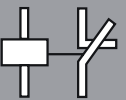


6FX8002-2CB34	MAT9071007	(12x0.25)C	9.0	10 x d
---------------	------------	------------	-----	--------



6FX8002-2CC14	MAT9071009	(4x(2x0.34)+4x0.5)C	9.5	10 x d
6FX8002-2CF04	MAT9071011	(3x(2x0.14)C+(4x0.14)+(2x0.5))C	10.5	10 x d
6FX8002-2EQ14	MAT9071017	(3x(2x0.14)C+2x0.5+4x0.14+4x0.23)C	11.5	10 x d
6FX8002-2AH04	MAT9071018	(4x(2x0.34)+4x0.5)C	9.5	10 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow **x** = without earthed conductor



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFSIEMENS

(for up to 10 cuts of the same type)

Chainflex® signal cable

harnessed according to Siemens standard

Technical information

- Oil-resistant
- Flame-retardant
- Shielded
- Temperature range (moved): -5 °C to +70 °C
- Overall shield: extremely readily bending/solid copper shield, coverage approx. 70% linear, 90% optical
- Nominal voltage: 30 V

Chainflex® PVC signal/encoder cable, oil-resistant: Basic cables

Siemens Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
------------------	----------------	--	------	----------------



6FX8002-2AD00	MAT9170001	(3x(2x0.14)C+(4x0.14)+(2x0.5))C	9.0	10 x d
6FX8002-2CA11	MAT9170002	(4x(2x0.34)+4x0.5)C	9.0	10 x d
6FX8002-2CA15	MAT9170003	(3x(2x0.14)C+(4x0.14)+(2x0.5))C	9.0	10 x d



6FX8002-2CA31	MAT9170004	(3x(2x0.14)C+2x0.5+4x0.14+4x0.23)C	9.5	10 x d
---------------	------------	------------------------------------	-----	--------



6FX8002-2CA51	MAT9170005	(3x(2x0.14)C+2x0.5+4x0.14+4x0.23)C	9.5	10 x d
6FX8002-2CA71	MAT9170006	(4x(2x0.34)+4x0.5)C	9.0	10 x d
6FX8002-2CB51	MAT9170008	(4x(2x0.34)+4x0.5)C	9.0	10 x d
6FX8002-2CC11	MAT9170009	(4x(2x0.34)+4x0.5)C	9.0	10 x d
6FX8002-2CD01	MAT9170010	(4x(2x0.34)+4x0.5)C	9.0	10 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor



- Minimum bending radius for use in Energy Chains®:
10 x cable diameter
- Colour: gray (similar to RAL 7001)

Chainflex® PVC signal/encoder cable, oil-resistant: Basic cables

Siemens Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
---------------------	-------------------	--	---------	-------------------



6FX8002-2CF01	MAT9170021	(3x(2x0.14)C+(4x0.14)+(2x0.5))C	9.0	10 x d
6FX8002-2CF02	MAT9170011	(3x(2x0.14)C+(4x0.14)+(2x0.5))C	9.0	10 x d
6FX8002-2CG00	MAT9170012	(4x(2x0.34)+4x0.5)C	9.0	10 x d

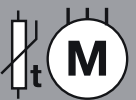
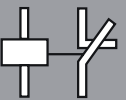


6FX8002-2CH00	MAT9170013	(3x(2x0.14)C+2x0.5+4x0.14+4x0.23)C	9.5	10 x d
---------------	------------	------------------------------------	-----	--------



6FX8002-2CK00	MAT9170014	(3x(2x0.14)C+(2x0.5C))C	9.0	10 x d
6FX8002-2CL00	MAT9170015	(3x(2x0.14)C+(2x0.5C))C	9.0	10 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow **x** = without earthed conductor



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFSIEMENS

(for up to 10 cuts of the same type)

Chainflex[®] signal cable



harnessed according to Siemens standard



Technical information


- Oil-resistant
- Flame-retardant
- Shielded
- Temperature range (moved): -5 °C to +70 °C
- Overall shield: extremely readily bending/solid copper shield, coverage approx. 70% linear, 90% optical
- Nominal voltage: 30 V

Chainflex[®] PVC signal/encoder cable, oil-resistant: Basic cables

Siemens Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	∅ mm	Bending radius
------------------	----------------------------	--	------	----------------

				
6FX8002-2EQ00	MAT9170016	(3x(2x0.14)C+(4x0.14)+(2x0.5)+(4x0.23))C	9.5	10 x d

				
6FX8002-2EQ10	MAT9170017	(3x(2x0.14)C+(4x0.14)+(2x0.5)+(4x0.23))C	9.5	10 x d

				
6FX8002-2AH00	MAT9170018	(4x(2x0.34)+4x0.5)C	9.0	10 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow **x** = without earthed conductor



- Minimum bending radius for use in Energy Chains®:
10 x cable diameter
- Colour: gray (similar to RAL 7001)

Chainflex® PVC signal/encoder cable, oil-resistant: Extension cables

Siemens Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
---------------------	-------------------	--	---------	-------------------



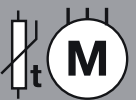
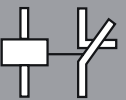
6FX8002-2AD04	MAT9171001	(3x(2x0.14)C+(4x0.14)+(2x0.5)+(4x0.23))C	9.5	10 x d
6FX8002-2CB54	MAT9171002	(4x(2x0.34)+4x0.5)C	9.0	10 x d
6FX8002-2CA54	MAT9171003	(3x(2x0.14)C+(4x0.14)+(2x0.5)+(4x0.23))C	9.5	10 x d
6FX8002-2CA34	MAT9171004	(3x(2x0.14)C+(4x0.14)+(2x0.5)+(4x0.23))C	9.5	10 x d
6FX8002-2CC14	MAT9171009	(4x(2x0.34)+4x0.5)C	9.0	10 x d
6FX8002-2CF04	MAT9171011	(3x(2x0.14)C+(4x0.14)+(2x0.5)+(4x0.23))C	9.5	10 x d
6FX8002-2EQ14	MAT9171017	(3x(2x0.14)C+(4x0.14)+(2x0.5)+(4x0.23))C	9.5	10 x d
6FX8002-2AH04	MAT9171018	(4x(2x0.34)+4x0.5)C	9.0	10 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFSIEMENS

(for up to 10 cuts of the same type)

Chainflex[®] servo cable

harnessed according to Lenze standard

Technical information

- Oil-resistant and coolant-resistant
- Shielded
- Notch-resistant, hydrolysis-resistant and microbe-resistant
- Intermediate jacket on the basis of PUR
- **Signal pairs:** pair shielding of extremely readily bending/firm cooper shield, coverage approx. 70% linear, 90% optical, and metal foil

Chainflex[®] PUR servo cable: Basic cables

Lenze Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
----------------	----------------------------	--	------	----------------



EWLMxxxGMS-015C	MAT9120001	(4 G 1.5+(2x1.0)C)C	12.5	7.5 x d
EWLMxxxGMS-025	MAT9120002	(4 G 2.5+(2x1.0)C)C	13.5	7.5 x d
EYP0010AxxxxM01A00	MAT9120050	(4 G 1.5+(2x1.0)C)C	12.5	7.5 x d
EYP0011AxxxxM01A00	MAT9120051	(4 G 1.5+(2x1.0)C)C	12.5	7.5 x d
EYP0012AxxxxM01A00	MAT9120052	(4 G 2.5+(2x1.0)C)C	13.5	7.5 x d
EYP0012AxxxxM02A00	MAT9120053	(4 G 2.5+(2x1.0)C)C	13.5	7.5 x d
EYP0013AxxxxM02A00	MAT9120054	(4 G 4.0+(2x1.0)C)C	15.5	7.5 x d
EYP0014AxxxxM03A00	MAT9120055	(4 G 6.0+(2x1.0)C)C	17.5	7.5 x d
EYP0015AxxxxM03A00	MAT9120056	(4 G 10.0+(2x1.0)C)C	20.5	7.5 x d
EYP0016AxxxxM03A00	MAT9120057	(4 G 16.0+(2x1.0)C)C	23.0	7.5 x d
EYP0012AxxxxA00P02	MAT9120058	(4 G 2.5+(2x1.0)C)C	13.5	7.5 x d
EYP0013AxxxxA00P02	MAT9120059	(4 G 4.0+(2x1.0)C)C	15.5	7.5 x d
EYP0014AxxxxA00P03	MAT9120060	(4 G 6.0+(2x1.0)C)C	20.5	7.5 x d
EYP0015AxxxxA00P03	MAT9120061	(4 G 10.0+(2x1.0)C)C	20.5	7.5 x d
EYP0016AxxxxA00P03	MAT9120062	(4 G 16.0+(2x1.0)C)C	23.0	7.5 x d
EYP0010AxxxxA00P01	MAT9120063	(4 G 1.5+(2x1.0)C)C	12.5	7.5 x d
EYP0011AxxxxA00P01	MAT9120064	(4 G 1.5+(2x1.0)C)C	12.5	7.5 x d
EYP0012AxxxxA00P01	MAT9120065	(4 G 2.5+(2x1.0)C)C	13.5	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

* igus[®] gladly pre-harnesses the cable end according to your technical guidelines.

G = with earthed conductor green-yellow x = without earthed conductor



- **Overall shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, 90% optical
- **Temperature range (moved):** -20 °C to +80 °C
- **Nominal voltage:** 600/1000 V
- **Minimum bending radius for use in Energy Chains®:** 7.5 x cable diameter
- **Colour:** orange (similar to RAL 2003)

Chainflex® PUR servo cable: Linking cables

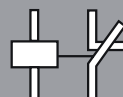
Lenze Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
----------------	----------------	--	------	----------------



EWLMxxxZM-015C	MAT9120006	(4 G 1.5+(2x1.0)C)C	12.5	7.5 x d
EWLMxxxZM-025	MAT9120007	(4 G 2.5+(2x1.0)C)C	13.5	7.5 x d
EYP0012AxxxxM02P02	MAT9120066	(4 G 2.5+(2x1)C)C	13.5	7.5 x d
EYP0013AxxxxM02P02	MAT9120067	(4 G 4.0+(2x1)C)C	15.5	7.5 x d
EYP0014AxxxxM03P03	MAT9120068	(4 G 6.0+(2x1)C)C	17.5	7.5 x d
EYP0015AxxxxM03P03	MAT9120069	(4 G 10.0+(2x1)C)C	20.5	7.5 x d
EYP0016AxxxxM03P03	MAT9120070	(4 G 16.0+(2x1)C)C	23.0	7.5 x d
EYP0010AxxxxM01P01	MAT9120071	(4 G 1.5+(2x1)C)C	12.5	7.5 x d
EYP0011AxxxxM01P01	MAT9120072	(4 G 1.5+(2x1)C)C	12.5	7.5 x d
EYP0012AxxxxM01P01	MAT9120073	(4 G 2.5+(2x1)C)C	13.5	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFLENZE

(for up to 10 cuts of the same type)

Chainflex® servo cable

harnessed according to Lenze standard

Technical information

- Oil-resistant
- Flame-retardant
- Shielded
- Intermediate jacket on the basis of PVC
- **Signal pairs:** pair shielding of extremely readily bending/firm cooper shield, coverage approx. 70% linear, 90% optical, and metal foil
- **Temperature range (moved):** -5 °C to +70 °C

Chainflex® PVC servo cable, oil-resistant: Basic cables

Lenze Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
----------------	----------------	---	------	----------------



EWLMxxxGMS-015C	MAT9130001	(4 G 1.5+(2x1.0)C)C	12.5	7.5 x d
EWLMxxxGMS-025	MAT9130002	(4 G 2.5+(2x1.0)C)C	13.5	7.5 x d
EYP0010AxxxxM01A00	MAT9130050	(4 G 1.5+(2x1)C)C	12.5	7.5 x d
EYP0011AxxxxM01A00	MAT9130051	(4 G 1.5+(2x1)C)C	12.5	7.5 x d
EYP0012AxxxxM01A00	MAT9130052	(4 G 2.5+(2x1)C)C	13.5	7.5 x d
EYP0012AxxxxM02A00	MAT9130053	(4 G 2.5+(2x1)C)C	13.5	7.5 x d
EYP0013AxxxxM02A00	MAT9130054	(4 G 4.0+(2x1)C)C	15.5	7.5 x d
EYP0014AxxxxM03A00	MAT9130055	(4 G 6.0+(2x1)C)C	18.0	7.5 x d
EYP0015AxxxxM03A00	MAT9130056	(4 G 10.0+(2x1)C)C	22.0	7.5 x d
EYP0016AxxxxM03A00	MAT9130057	(4 G 16.0+(2x1)C)C	24.5	7.5 x d
EYP0012AxxxxA00P02	MAT9130058	(4 G 2.5+(2x1)C)C	13.5	7.5 x d
EYP0013AxxxxA00P02	MAT9130059	(4 G 4.0+(2x1)C)C	15.5	7.5 x d
EYP0014AxxxxA00P03	MAT9130060	(4 G 6.0+(2x1)C)C	22.0	7.5 x d
EYP0015AxxxxA00P03	MAT9130061	(4 G 10.0+(2x1)C)C	22.0	7.5 x d
EYP0016AxxxxA00P03	MAT9130062	(4 G 16.0+(2x1)C)C	24.5	7.5 x d
EYP0010AxxxxA00P01	MAT9130063	(4 G 1.5+(2x1)C)C	12.5	7.5 x d
EYP0011AxxxxA00P01	MAT9130064	(4 G 1.5+(2x1)C)C	12.5	7.5 x d
EYP0012AxxxxA00P01	MAT9130065	(4 G 2.5+(2x1)C)C	13.5	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

* igus® gladly pre-harnesses the cable end according to your technical guidelines.

G = with earthed conductor green-yellow x = without earthed conductor



- **Overall shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- **Nominal voltage:** 600/1000 V
- **Minimum bending radius for use in Energy Chains®:** 7.5 x cable diameter
- **Colour:** green (similar to RAL 6005)

Chainflex® PVC servo cable, oil-resistant: Linking cables

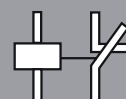
Lenze Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
-------------------	-------------------	--	---------	-------------------



EWLMxxxZM-015C	MAT9130006	(4 G 1.5+(2x1.0)C)C	12.5	7.5 x d
EWLMxxxZM-025	MAT9130007	(4 G 2.5+(2x1.0)C)C	13.5	7.5 x d
EYP0012AxxxxM02P02	MAT9130066	(4 G 2.5+(2x1)C)C	13.5	7.5 x d
EYP0013AxxxxM02P02	MAT9130067	(4 G 4.0+(2x1)C)C	15.5	7.5 x d
EYP0014AxxxxM03P03	MAT9130068	(4 G 6.0+(2x1)C)C	18.0	7.5 x d
EYP0015AxxxxM03P03	MAT9130069	(4 G 10.0+(2x1)C)C	22.0	7.5 x d
EYP0016AxxxxM03P03	MAT9130070	(4 G 16.0+(2x1)C)C	24.5	7.5 x d
EYP0010AxxxxM01P01	MAT9130071	(4 G 1.5+(2x1)C)C	12.5	7.5 x d
EYP0011AxxxxM01P01	MAT9130072	(4 G 1.5+(2x1)C)C	12.5	7.5 x d
EYP0012AxxxxM01P01	MAT9130073	(4 G 2.5+(2x1)C)C	13.5	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFLENZE

(for up to 10 cuts of the same type)

Chainflex® power cable

harnessed according to Lenze standard

Technical information

- Oil-resistant and coolant-resistant
- Shielded
- Notch-resistant, hydrolysis-resistant and microbe-resistant
- Intermediate jacket on the basis of PUR
- **Signal pairs:** pair shielding of extremely readily bending/firm cooper shield, coverage approx. 70% linear, 90% optical, and metal foil

Chainflex® PUR power cable: Basic cables

Lenze Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
----------------	----------------	---	------	----------------



EWLMxxxGMS-015C	MAT9120011	(4 G 1.5)C	10.5	7.5 x d
EWLMxxxGMS-025	MAT9120012	(4 G 2.5)C	12.0	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

* igus® gladly pre-harnesses the cable end according to your technical guidelines.

G = with earthed conductor green-yellow x = without earthed conductor



- **Overall shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, 90% optical
- **Temperature range (moved):** -20 °C to +80 °C
- **Nominal voltage:** 600/1000 V
- **Minimum bending radius for use in Energy Chains®:** 7.5 x cable diameter
- **Colour:** orange (similar to RAL 2003)

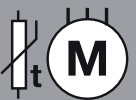
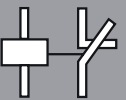
Chainflex® PUR power cable: Linking cables

Lenze Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
-------------------	-------------------	---	---------	-------------------



EWLMxxxZM-015C	MAT9120016	(4 G 1.5)C	10.5	7.5 x d
EWLMxxxZM-025	MAT9120017	(4 G 2.5)C	12.0	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow **x** = without earthed conductor



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFLENZE

(for up to 10 cuts of the same type)

Chainflex® power cable

harnessed according to Lenze standard

Technical information

- oil-resistant
- Flame-retardant
- Shielded
- Intermediate jacket on the basis of PVC
- **Overall shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- **Temperature range (moved):** -5 °C to +70 °C

Chainflex® PVC power cable, oil-resistant: Basic cables

Lenze Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
-------------------	-------------------	--	---------	-------------------



*

EWLMxxxGMS-015C	MAT9130011	(4 G 1.5)C	12.5	7.5 x d
EWLMxxxGMS-025	MAT9130012	(4 G 2.5)C	15.0	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

* igus® gladly pre-harnesses the cable end according to your technical guidelines.

G = with earthed conductor green-yellow **x** = without earthed conductor



- **Nominal voltage:** 600/1000 V
- **Minimum bending radius for use in Energy**
Chains®: 7.5 x cable diameter
- **Colour:** anthracite-gray (similar to RAL 7016)

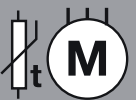
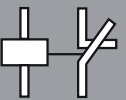
Chainflex® PVC power cable, oil-resistant: Linking cables

Lenze Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
-------------------	-------------------	--	---------	-------------------



EWLMxxxZM-015C	MAT9130016	(4 G 1.5)C	12.5	7.5 x d
EWLMxxxZM-025	MAT9130017	(4 G 2.5)C	15.0	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow **x** = without earthed conductor



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFLENZE

(for up to 10 cuts of the same type)

Chainflex[®] resolver cable

harnessed according to Lenze standard

Technical information

- Oil-resistant and coolant-resistant
- Shielded
- Thin-walled, halogen-free
- **Temperature range (moved):** -35 °C to +100 °C
- **Overall shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- **Nominal voltage:** 30 V

Chainflex[®] TPE signal/encoder cable, oil-resistant: Basic cables

Lenze Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	∅ mm	Bending radius
-------------------	-------------------------------	---	---------	-------------------



EWLRxxxGM-T	MAT9120021	(3x(2x0.14)C)+(2x0.5C)C	12.5	10 x d
-------------	------------	-------------------------	------	--------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow **x** = without earthed conductor



- **Minimum bending radius for use in Energy**
Chains®: 10 x cable diameter
- Colour: green (similar to RAL 6018)

Chainflex® TPE signal/encoder cable, oil-resistant: Linking cables

Lenze Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	∅ mm	Bending radius
-------------------	-------------------	--	---------	-------------------



EWLRxxxZMST	MAT9120022	(3x(2x0.14)C+2x0.5)C	12.5	10 x d
--------------------	------------	----------------------	------	--------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor

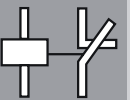
Chainflex® TPE signal/encoder cable, oil-resistant: Terminal box connection cable

Lenze Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	∅ mm	Bending radius
-------------------	-------------------	--	---------	-------------------



EWLRxxxGX-T	MAT9120023	(3x(2x0.14)C+2x0.5)C	12.5	10 x d
--------------------	------------	----------------------	------	--------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
* igus® gladly pre-harnesses the cable end according to your technical guidelines.
G = with earthed conductor green-yellow x = without earthed conductor



Chainflex[®] resolver cable

harnessed according to Lenze standard

Technical information

- oil-resistant
- Flame-retardant
- Shielded
- Temperature range (moved): -5 °C to +70 °C
- Overall shield: extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- Nominal voltage: 30 V

Chainflex[®] PVC signal/encoder cable, oil-resistant: Basic cables

Lenze Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	∅ mm	Bending radius
-------------------	-------------------------------	---	---------	-------------------



EWLRxxxGM-T	MAT9130021	(3x(2x0.14)C)+(2x0.5C)C	9.0	10 x d
-------------	------------	-------------------------	-----	--------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor



- **Minimum bending radius for use in Energy**
Chains®: 10 x cable diameter
- Colour: gray (similar to RAL 7001)

Chainflex® PVC signal/encoder cable, oil-resistant: Linking cables

Lenze Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
-------------------	-------------------	--	---------	-------------------



EWLRxxxZMST	MAT9130022	(3x(2x0.14)C+(2x0.5C))C	9.0	10 x d
--------------------	------------	-------------------------	-----	--------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® PVC signal/encoder cable, oil-resistant: Terminal box connection cable

Lenze Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
-------------------	-------------------	--	---------	-------------------

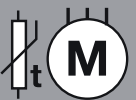
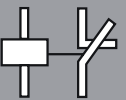


EWLRxxxGX-T	MAT9130023	(3x(2x0.14)C+(2x0.5C))C	9.0	10 x d
--------------------	------------	-------------------------	-----	--------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
* igus® gladly pre-harnesses the cable end according to your technical guidelines.
G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...
... and order online ► www.igus.eu/en/CFLENZE (for up to 10 cuts of the same type)

Chainflex[®] encoder cable

harnessed according to Lenze standard

Technical information

- Oil-resistant and coolant-resistant
- Shielded
- Thin-walled, halogen-free
- **Temperature range (moved):** -35 °C to +100 °C
- **Overall shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- **Nominal voltage:** 30 V

Chainflex[®] TPE signal/encoder cable, oil-resistant: Basic cables

Lenze Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	∅ mm	Bending radius
-------------------	-------------------------------	---	---------	-------------------



EWLExxGM-T	MAT9120026	(4x(2x0.25)+2x1.0)C	9.5	10 x d
------------	------------	---------------------	-----	--------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow **x** = without earthed conductor



- **Minimum bending radius for use in Energy**
Chains®: 10 x cable diameter
- Colour: green (similar to RAL 6018)

Chainflex® TPE signal/encoder cable, oil-resistant: Linking cables

Lenze Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	∅ mm	Bending radius
-------------------	-------------------	--	---------	-------------------



EWLExxxZMST	MAT9120027	(4x(2x0.25)+2x1.0)C	9.5	10 x d
-------------	------------	---------------------	-----	--------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor

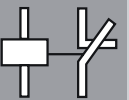
Chainflex® TPE signal/encoder cable, oil-resistant: Terminal box connection cable

Lenze Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	∅ mm	Bending radius
-------------------	-------------------	--	---------	-------------------



EWLExxxGX-T	MAT9120028	(4x(2x0.25)+(2x1.0))C	9.5	10 x d
-------------	------------	-----------------------	-----	--------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
* igus® gladly pre-harnesses the cable end according to your technical guidelines.
G = with earthed conductor green-yellow x = without earthed conductor



Chainflex[®] encoder cable

harnessed according to Lenze standard

Technical information

- oil-resistant
- Flame-retardant
- Shielded
- Temperature range (moved): -5 °C to +70 °C
- Overall shield: extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- Nominal voltage: 30 V

Chainflex[®] PVC signal/encoder cable, oil-resistant: Basic cables

Lenze Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	∅ mm	Bending radius
-------------------	-------------------------------	---	---------	-------------------



EWLExxGM-T	MAT9130026	(4x(2x0.25)+2x1.0)C	9.5	10 x d
------------	------------	---------------------	-----	--------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow **x** = without earthed conductor



- **Minimum bending radius for use in Energy**
Chains®: 10 x cable diameter
- Colour: gray (similar to RAL 7001)

Chainflex® PVC signal/encoder cable, oil-resistant: Linking cables

Lenze Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	∅ mm	Bending radius
-------------------	-------------------	--	---------	-------------------



EWLExxxZMST	MAT9130027	(4x(2x0.25)+2x1.0)C	9.5	10 x d
-------------	------------	---------------------	-----	--------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® PVC signal/encoder cable, oil-resistant: Terminal box connection cable

Lenze Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	∅ mm	Bending radius
-------------------	-------------------	--	---------	-------------------

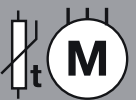
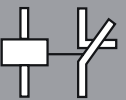


EWLExxxGX-T	MAT9130028	(4x(2x0.25)+(2x1.0))C	9.5	10 x d
-------------	------------	-----------------------	-----	--------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
* igus® gladly pre-harnesses the cable end according to your technical guidelines.
G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...
... and order online ► www.igus.eu/en/CFLENZE (for up to 10 cuts of the same type)

Chainflex® feedback cable


harnessed according to Lenze standard

Technical information


- oil-resistant
- Flame-retardant
- Shielded
- Temperature range (moved): -5 °C to +70 °C
- Overall shield: extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- Nominal voltage: 30 V

Chainflex® PVC signal/encoder cable, oil-resistant: Basic cables


Lenze Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	∅ mm	Bending radius
----------------	----------------	---	------	----------------




EYF0020VxxxxA00G01	MAT9130080	3(2x0.14)C+(3x0.14)C	9.5	10 x d
EYF0019VxxxxA00G02	MAT9130081	4(2x0.14)C+(2x1.0)C	11.0	10 x d
EYF0022VxxxxA00G03	MAT9130082	3(2x0.14)C+(4x0.14)C+2(2x0.5)C	11.0	10 x d



EYF0021AxxxxF03S03	MAT9130086	3(2x0.14)C+(4x0.14)C+2(2x0.5)C	11.0	10 x d
EYF0018AxxxxF02S03	MAT9130088	4(2x0.14)C+(2x1.0)C	11.0	10 x d
EYF0020AxxxxF01S05	MAT9130090	3(2x0.14)C+(3x0.14)C	9.5	10 x d



EYF0018AxxxxF02W02	MAT9130087	4(2x0.14)C+(2x1.0)C	11.0	10 x d
EYF0020AxxxxF01S04	MAT9130089	3(2x0.14)C+(3x0.14)C	9.5	10 x d



EYF0018AxxxxA00W02	MAT9130091	4(2x0.14)C+(2x1.0)C	11.0	10 x d
EYF0020AxxxxA00S04	MAT9130092	3(2x0.14)C+(3x0.14)C	9.5	10 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

* igus® gladly pre-harnesses the cable end according to your technical guidelines.

G = with earthed conductor green-yellow x = without earthed conductor



- Minimum bending radius for use in Energy
Chains®: 10 x cable diameter
- Colour: gray (similar to RAL 7001)

Chainflex® PVC signal/encoder cable, oil-resistant: Basic cables

Lenze Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
-------------------	-------------------	--	---------	-------------------



EYF0020AxxxxA00S05	MAT9130093	3(2x0.14)C+(3x0.14)C	9.5	10 x d
EYF0021AxxxxA00S03	MAT9130094	3(2x0.14)C+(4x0.14)C+2(2x0.5)C	11.0	10 x d
EYF0018AxxxxA00S03	MAT9130095	4(2x0.14)C+(2x1.0)C	11.0	10 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

* igus® gladly pre-harnesses the cable end according to your technical guidelines.

G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® PVC signal/encoder cable, oil-resistant: Linking cables

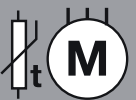
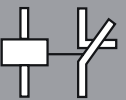
Lenze Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
-------------------	-------------------	--	---------	-------------------



EYF0020VxxxxF01G01	MAT9130083	3(2x0.14)C+(3x0.14)C	9.5	10 x d
EYF0019VxxxxF02G02	MAT9130084	4(2x0.14)C+(2x1.0)C	11.0	10 x d
EYF0022VxxxxF03G03	MAT9130085	3(2x0.14)C+(4x0.14)C+2(2x0.5)C	11.0	10 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor



Chainflex® feedback cable


harnessed according to Lenze standard

Technical information


- Oil-resistant and coolant-resistant
- Shielded
- Thin-walled, halogen-free
- Temperature range (moved): -35 °C to +100 °C
- Overall shield: extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- Nominal voltage: 30 V

Chainflex® TPE signal/encoder cable, oil-resistant: Basic cables


Lenze Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	∅ mm	Bending radius
----------------	----------------	---	------	----------------




EYF0020VxxxxA00G01	MAT9120080	3(2x0.14)C + (3x0.14)C	9.5	10 x d
EYF0019VxxxxA00G02	MAT9120081	4(2x0.14)C + (2x1.0)C	11.0	10 x d
EYF0022VxxxxA00G03	MAT9120082	3(2x0.14)C + (4x0.14)C + 2(2x0.5)C	12.0	10 x d



EYF0021AxxxxF03S03	MAT9120086	3(2x0.14)C + (4x0.14)C + 2(2x0.5)C	12.0	10 x d
EYF0018AxxxxF02S03	MAT9120088	4(2x0.14)C + (2x1.0)C	11.0	10 x d
EYF0020AxxxxF01S05	MAT9120090	3(2x0.14)C + (3x0.14)C	9.5	10 x d



EYF0018AxxxxF02W02	MAT9120087	4(2x0.14)C + (2x1.0)C	11.0	10 x d
EYF0020AxxxxF01S04	MAT9120089	3(2x0.14)C + (3x0.14)C	9.5	10 x d



EYF0018AxxxxA00W02	MAT9120091	4(2x0.14)C + (2x1.0)C	11.0	10 x d
EYF0020AxxxxA00S04	MAT9120092	3(2x0.14)C + (3x0.14)C	9.5	10 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

* igus® gladly pre-harnesses the cable end according to your technical guidelines.

G = with earthed conductor green-yellow x = without earthed conductor



- Minimum bending radius for use in Energy
Chains®: 10 x cable diameter
- Colour: green (similar to RAL 6018)

Chainflex® TPE signal/encoder cable, oil-resistant: Basic cables

Lenze Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
-------------------	-------------------	--	---------	-------------------



EYF0020AxxxxA00S05	MAT9120093	3(2x0.14)C + (3x0.14)C	9.5	10 x d
EYF0021AxxxxA00S03	MAT9120094	3(2x0.14)C + (4x0.14)C + 2(2x0.5)C	12.0	10 x d
EYF0018AxxxxA00S03	MAT9120095	4(2x0.14)C + (2x1.0)C	11.0	10 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

* igus® gladly pre-harnesses the cable end according to your technical guidelines.

G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® TPE signal/encoder cable, oil-resistant: Linking cables

Lenze Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
-------------------	-------------------	--	---------	-------------------



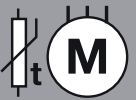
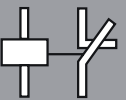
EYF0020VxxxxF01G01	MAT9120083	3(2x0.14)C + (3x0.14)C	9.5	10 x d
EYF0019VxxxxF02G02	MAT9120084	4(2x0.14)C + (2x1.0)C	11.0	10 x d
EYF0022VxxxxF03G03	MAT9120085	3(2x0.14)C + (4x0.14)C + 2(2x0.5)C	12.0	10 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFLENZE

(for up to 10 cuts of the same type)

Chainflex® decoder cable

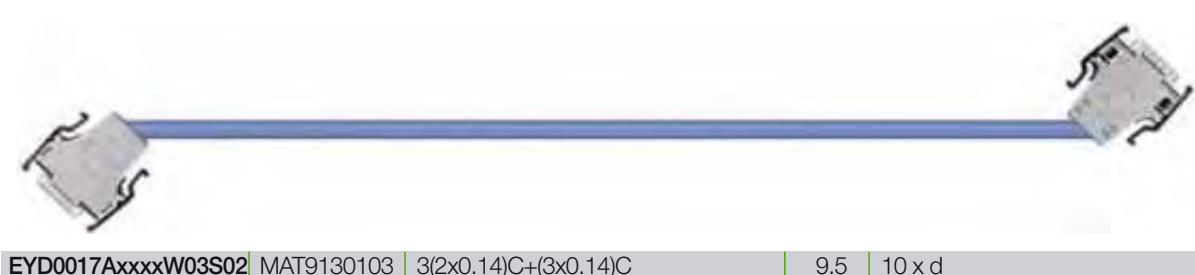
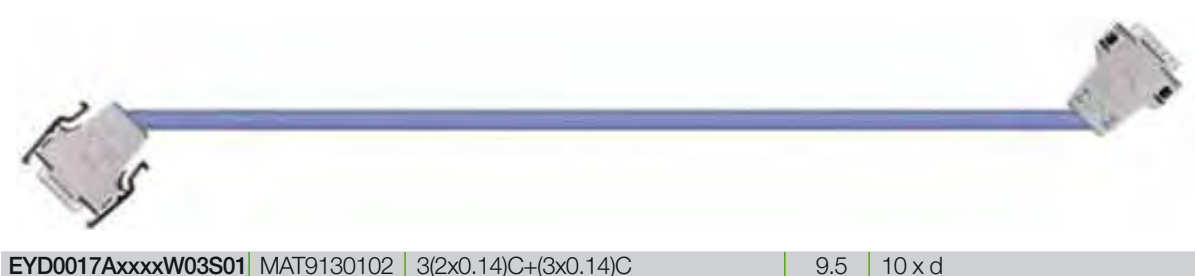
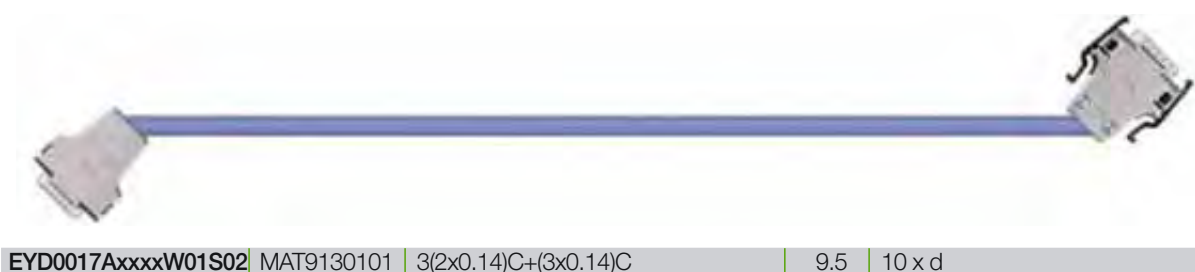
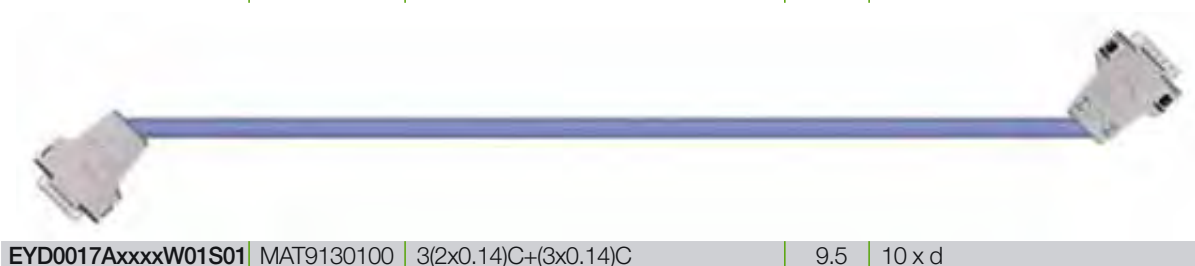
harnessed according to Lenze standard

Technical information

- oil-resistant
- Flame-retardant
- Shielded
- Temperature range (moved): -5 °C to +70 °C
- Overall shield: extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- Nominal voltage: 30 V

Chainflex® PVC signal/encoder cable, oil-resistant: Connection cables

Lenze Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	∅ mm	Bending radius
----------------	----------------	---	------	----------------



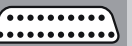
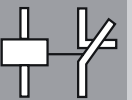
Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor



- Minimum bending radius for use in Energy
Chains®: 10 x cable diameter
- Colour: gray (similar to RAL 7001)

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFLENZE

(for up to 10 cuts of the same type)

Chainflex[®] decoder cable

harnessed according to Lenze standard

Technical information

- Oil-resistant and coolant-resistant
- Shielded
- Thin-walled, halogen-free
- **Temperature range (moved):** -35 °C to +100 °C
- **Overall shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- **Nominal voltage:** 30 V

Chainflex[®] TPE signal/encoder cable, oil-resistant: Connection cables

Lenze Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	∅ mm	Bending radius
-------------------	-------------------------------	---	---------	-------------------



EYD0017AxxxxW01S01	MAT9120100	3(2x0.14)C + (3x0.14)C	9.5	10 x d
--------------------	------------	------------------------	-----	--------



EYD0017AxxxxW01S02	MAT9120101	3(2x0.14)C + (3x0.14)C	9.5	10 x d
--------------------	------------	------------------------	-----	--------



EYD0017AxxxxW03S01	MAT9120102	3(2x0.14)C + (3x0.14)C	9.5	10 x d
--------------------	------------	------------------------	-----	--------



EYD0017AxxxxW03S02	MAT9120103	3(2x0.14)C + (3x0.14)C	9.5	10 x d
--------------------	------------	------------------------	-----	--------

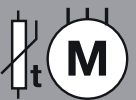
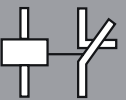
Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor



- Minimum bending radius for use in Energy
Chains®: 10 x cable diameter
- Colour: green (similar to RAL 6018)

Chainflex® Systems
for Drive Technology

Tel. 0 22 03-96 49-0
Fax 0 22 03-96 49-222



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFLENZE

(for up to 10 cuts of the same type)

Chainflex® fan cable

harnessed according to Lenze standard

Technical information

- Oil-resistant and coolant-resistant
- PVC-free/halogen-free
- For maximum load requirements
- **Temperature range (moved):** -35 °C to +100 °C
- **Nominal voltage:** 300/500 V
- **Minimum bending radius for use in Energy**
Chains®: 5 x cable diameter
- Colour: dark-blue (similar to RAL 5011)

Chainflex® TPE control cable: Basic cables

Lenze Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	∅ mm	Bending radius
-------------------	-------------------	--	---------	-------------------



*

EWLLxxxGMS	MAT9120031	3 G 1.0	6.0	5 x d
EYL002AxxxxL01A00	MAT9120040	5 G 1.0	7.0	5 x d
EYL002AxxxxL02A00	MAT9120041	5 G 1.0	7.0	5 x d
EYL002VxxxxA00J01	MAT9120042	5 G 1.0	7.0	5 x d
EYL002VxxxxA00J02	MAT9120043	5 G 1.0	7.0	5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

* igus® gladly pre-harnesses the cable end according to your technical guidelines.

G = with earthed conductor green-yellow x = without earthed conductor



Chainflex® TPE control cable: Linking cables

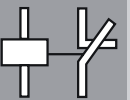
Lenze Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
-------------------	-------------------	---	---------	-------------------



EWLLxxxZM	MAT9120032	3 G 1.0	6.0	5 x d
EYL002VxxxxL01J01	MAT9120044	5 G 1.0	7.0	5 x d
EYL002VxxxxL02J02	MAT9120045	5 G 1.0	7.0	5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow **x** = without earthed conductor

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFLENZE

(for up to 10 cuts of the same type)

Chainflex® fan cable

harnessed according to Lenze standard

Technical information

- Oil-resistant
- Flame-retardant
- Temperature range (moved): -5 °C to +70 °C
- Nominal voltage: 300/500 V
- Minimum bending radius for use in Energy
Chains®: 7.5 x cable diameter
- Colour: green (similar to RAL 6005)

Chainflex® PVC control cable, oil-resistant: Basic cables

Lenze Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
-------------------	-------------------	--	---------	-------------------



EWLLxxxGMS	MAT9130031	3 G 1.0	7.0	7.5 x d
EYL002AxxxxL01A00	MAT9130040	5 G 1.0	8.5	7.5 x d
EYL002AxxxxL02A00	MAT9130041	5 G 1.0	8.5	7.5 x d
EYL002VxxxxA00J01	MAT9130042	5 G 1.0	8.5	7.5 x d
EYL002VxxxxA00J02	MAT9130043	5 G 1.0	8.5	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

* igus® gladly pre-harnesses the cable end according to your technical guidelines.

G = with earthed conductor green-yellow x = without earthed conductor



Chainflex® PVC control cable, oil-resistant: Linking cables

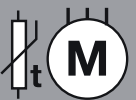
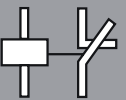
Lenze Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
-------------------	-------------------	---	---------	-------------------



EWLLxxxZM	MAT9130032	3 G 1.0	7.0	7.5 x d
EYL002VxxxxL01J01	MAT9130044	5 G 1.0	8.5	7.5 x d
EYL002VxxxxL02J02	MAT9130045	5 G 1.0	8.5	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow **x** = without earthed conductor

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFLENZE

(for up to 10 cuts of the same type)

Chainflex® power cable

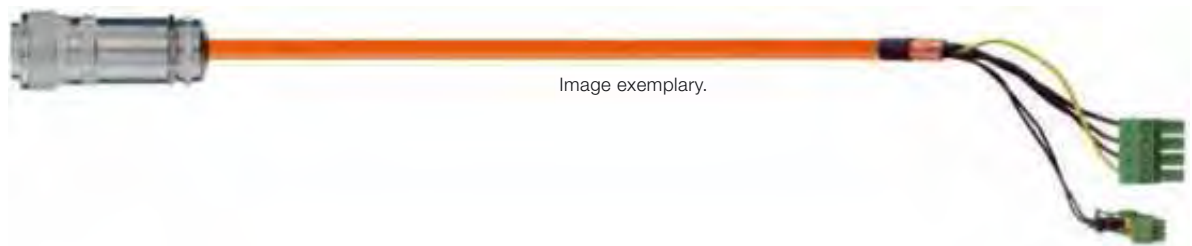
harnessed according to Rexroth standard

Technical information

- Oil-resistant and coolant-resistant, shielded
- Notch-resistant, hydrolysis-resistant and microbe-resistant
- Intermediate jacket on the basis of PUR
- **Temperature range (moved):** -20 °C to +80 °C
- **Signal pairs:** pair shielding of extremely readily bending/firm cooper shield, coverage approx. 70% linear, 90% optical, and metal foil

Chainflex® PUR servo cable: Basic cables

Rexroth Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
------------------	----------------	---	------	----------------



IKG0001	MAT9090022	(4G1.0+2x(2x0.75)C)C	13.5	7.5 x d
IKG0011	MAT9090023	(4G1.0+2x(2x0.75)C)C	13.5	7.5 x d
IKG0021	MAT9090024	(4G2.5+2x(2x1.5)C)C	16.0	7.5 x d
IKG0041	MAT9090017	(4G2.5+2x(2x1.5)C)C	16.0	7.5 x d
IKG0061	MAT9090018	(4G4.0+2x(2x1.5)C)C	18.0	7.5 x d
IKG0081	MAT9090030	(4G6.0+2x(2x1.5)C)C	19.5	7.5 x d
IKG0101	MAT9090025	(4G6.0+2x(2x1.5)C)C	19.5	7.5 x d
IKG0121	MAT9090019	(4G10.0+2x(2x1.5)C)C	23.5	7.5 x d
IKG0161	MAT9090063	(4G25.0+2x(2x1.5)C)C	30.0	7.5 x d
IKG0331	MAT9090014	(4 G 0.75+(2x0.5)C)C	11.5	7.5 x d
IKG0332	MAT9090015	(4 G 0.75+(2x0.5)C)C	11.5	7.5 x d
IKG4009	MAT9090001	(4 G 1.0+2x(2x0.75)C)C	13.5	7.5 x d
IKG4017	MAT9090002	(4 G 1.0+2x(2x0.75)C)C	13.5	7.5 x d
IKG4018	MAT9090003	(4 G 1.0+2x(2x0.75)C)C	13.5	7.5 x d
IKG4020	MAT9090004	(4 G 1.0+2x(2x0.75)C)C	13.5	7.5 x d
IKG4055	MAT9090005	(4 G 1.5+2x(2x0.75)C)C	14.5	7.5 x d
IKG4060	MAT9090006	(4 G 1.5+2x(2x0.75)C)C	14.5	7.5 x d
IKG4067	MAT9090007	(4 G 2.5+2x(2x1.5)C)C	16.0	7.5 x d
IKG4070	MAT9090008	(4 G 2.5+2x(2x1.5)C)C	16.0	7.5 x d
IKG4087	MAT9090009	(4 G 4.0+2x(2x1.5)C)C	18.0	7.5 x d
IKG4090	MAT9090010	(4 G 4.0+2x(2x1.5)C)C	18.0	7.5 x d
IKG4100	MAT9090020	(4G1.0+2x(2x0.75)C)C	13.5	7.5 x d
IKG4107	MAT9090011	(4 G 6.0+2x(2x1.5)C)C	19.5	7.5 x d
IKG4119	MAT9090027	(4G1.0+2x(2x0.75)C)C	13.5	7.5 x d
IKG4150	MAT9090012	(4 G 6.0+2x(2x1.5)C)C	19.5	7.5 x d
IKG4155	MAT9090028	(4G6.0+2x(2x1.5)C)C	19.5	7.5 x d
IKG4164	MAT9090035	(4G10.0+2x(2x1.5)C)C	23.5	7.5 x d
IKG4167	MAT9090013	(4 G 10.0+2x(2x1.5)C)C	23.5	7.5 x d
IKG4186	MAT9090021	(4G16.0+2x(2x1.5)C)C	26.0	7.5 x d
IKG4200	MAT9090032	(4G16.0+2x(2x1.5)C)C	26.0	7.5 x d
IKG4204	MAT9090052	(4G25.0+2x(2x1.5)C)C	30.0	7.5 x d

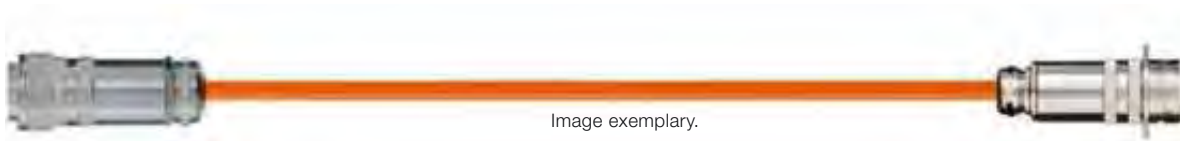
Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor



- **Overall shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- **Nominal voltage:** 600/1000 V
- **Minimum bending radius for use in Energy Chains®:** 7.5 x cable diameter
- **Colour:** orange (similar to RAL 2003)

Chainflex® PUR servo cable: Connection cables with adapter plugs

Rexroth Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
------------------	----------------	---	------	----------------



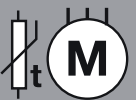
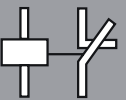
IKG0089	MAT9091005	(4G6.0+2x(2x1.5)C)C	19.5	7.5 x d
IKG0168	MAT9091006	(4G25.0+2x(2x1.5)C)C	30.0	7.5 x d
IKG4006	MAT9091001	(4 G 1.0+2x(2x0.75)C)C	13.5	7.5 x d
IKG4016	MAT9091002	(4 G 1.0+2x(2x0.75)C)C	13.5	7.5 x d
IKG4141	MAT9091003	(4G6.0+2x(2x1.5)C)C	19.5	7.5 x d
IKG4161	MAT9091004	(4G10.0+2x(2x1.5)C)C	23.5	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...
(for up to 10 cuts of the same type)

Chainflex® power cable

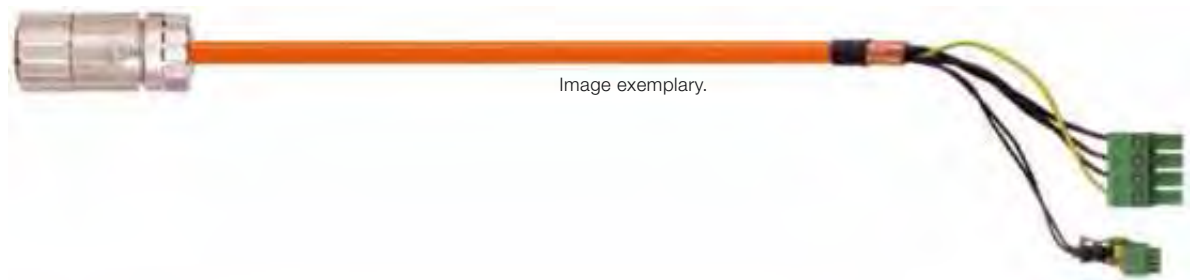
harnessed according to Rexroth standard

Technical information

- Oil-resistant and coolant-resistant, shielded
- Notch-resistant, hydrolysis-resistant and microbe-resistant
- Intermediate jacket on the basis of PUR
- **Temperature range (moved):** -20 °C to +80 °C
- **Signal pairs:** pair shielding of extremely readily bending/firm cooper shield, coverage approx. 70% linear, 90% optical, and metal foil

Chainflex® PUR servo cable: Basic cables

Rexroth Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
------------------	----------------	---	------	----------------



RKL4301	MAT9090037	(4G1.5+2x(2x0.75)C)C	14.5	7.5 x d
RKL4302	MAT9090026	(4G1.0+2x(2x0.75)C)C	13.5	7.5 x d
RKL4303	MAT9090029	(4G1.0+2x(2x0.75)C)C	13.5	7.5 x d
RKL4306	MAT9090040	(4G1.5+2x(2x0.75)C)C	14.5	7.5 x d
RKL4307	MAT9090041	(4G1.5+2x(2x0.75)C)C	14.5	7.5 x d
RKL4308	MAT9090033	(4G2.5+2x(2x1.5)C)C	16.0	7.5 x d
RKL4309	MAT9090042	(4G2.5+2x(2x1.5)C)C	16.0	7.5 x d
RKL4310	MAT9090043	(4G2.5+2x(2x1.5)C)C	16.0	7.5 x d
RKL4313	MAT9090062	(4G4.0+2x(2x1.5)C)C	18.0	7.5 x d
RKL4314	MAT9090060	(4G4.0+2x(2x1.5)C)C	18.0	7.5 x d
RKL4315	MAT9090059	(4G4.0+2x(2x1.5)C)C	18.0	7.5 x d
RKL4317	MAT9090061	(4G6.0+2x(2x1.5)C)C	19.5	7.5 x d
RKL4318	MAT9090047	(4G6.0+2x(2x1.5)C)C	19.5	7.5 x d
RKL4325	MAT9090049	(4G1.5+2x(2x0.75)C)C	14.5	7.5 x d
RKL4327	MAT9090050	(4G4.0+2x(2x1.5)C)C	18.0	7.5 x d
RKL4329	MAT9090051	(4G10.0+2x(2x1.5)C)C	23.5	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

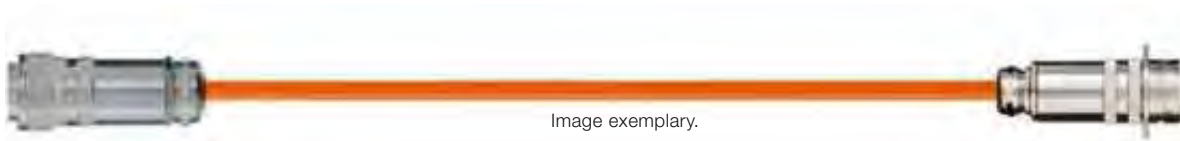
G = with earthed conductor green-yellow x = without earthed conductor



- **Overall shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- **Nominal voltage:** 600/1000 V
- **Minimum bending radius for use in Energy Chains®:** 7.5 x cable diameter
- **Colour:** orange (similar to RAL 2003)

Chainflex® PUR servo cable: Connection cables with adapter plugs

Rexroth Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
------------------	----------------	---	------	----------------



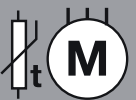
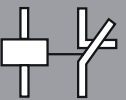
RKL4304	MAT9091007	(4G1.5+2x(2x0.75)C)C	14.5	7.5 x d
RKL4305	MAT9091008	(4G1.0+2x(2x0.75)C)C	13.5	7.5 x d
RKL4311	MAT9091009	(4G1.5+2x(2x0.75)C)C	14.5	7.5 x d
RKL4312	MAT9091010	(4G2.5+2x(2x1.5)C)C	16.0	7.5 x d
RKL4316	MAT9091011	(4G4.0+2x(2x1.5)C)C	18.0	7.5 x d
RKL4319	MAT9091012	(4G6.0+2x(2x1.5)C)C	19.5	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFREXROTH (for up to 10 cuts of the same type)

Chainflex® power cable

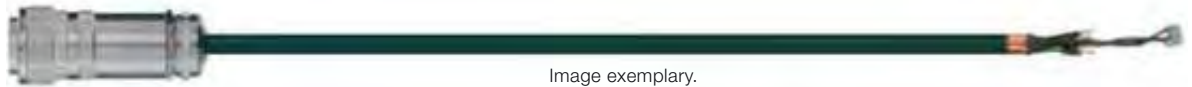
harnessed according to Rexroth standard

Technical information

- oil-resistant
- Flame-retardant
- Shielded
- Intermediate jacket on the basis of PVC
- **Temperature range (moved):** -5 °C to +70 °C
- **Signal pairs:** pair shielding of extremely readily bending/firm cooper shield, coverage approx. 70% linear, 90% optical, and metal foil

Chainflex® PVC servo cable, oil-resistant: Basic cables

Rexroth Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
---------------------	-------------------	---	---------	-------------------



IKG0001	MAT9190022	(4G1.0+2x(2x0.75)C)C	13.5	7.5 x d
IKG0011	MAT9190023	(4G1.0+2x(2x0.75)C)C	13.5	7.5 x d
IKG0021	MAT9190024	(4G2.5+2x(2x1.5)C)C	16.0	7.5 x d
IKG0041	MAT9190017	(4G2.5+2x(2x1.5)C)C	16.0	7.5 x d
IKG0061	MAT9190018	(4G4.0+2x(2x1.5)C)C	18.0	7.5 x d
IKG0081	MAT9190030	(4G6.0+2x(2x1.5)C)C	19.5	7.5 x d
IKG0101	MAT9190025	(4G6.0+2x(2x1.5)C)C	19.5	7.5 x d
IKG0121	MAT9190019	(4G10.0+2x(2x1.5)C)C	23.5	7.5 x d
IKG0161	MAT9190063	(4G25.0+2x(2x1.5)C)C	30.0	7.5 x d
IKG0331	MAT9190014	(4 G 0.75+(2x0.5)C)C	11.0	7.5 x d
IKG0332	MAT9190015	(4 G 0.75+(2x0.5)C)C	11.0	7.5 x d
IKG4009	MAT9190001	(4 G 1.5+2x(2x0.75)C)C	14.5	7.5 x d
IKG4017	MAT9190002	(4 G 1.5+2x(2x0.75)C)C	14.5	7.5 x d
IKG4018	MAT9190003	(4 G 1.5+2x(2x0.75)C)C	14.5	7.5 x d
IKG4020	MAT9190004	(4 G 1.5+2x(2x0.75)C)C	14.5	7.5 x d
IKG4055	MAT9190005	(4 G 1.5+2x(2x0.75)C)C	14.5	7.5 x d
IKG4060	MAT9190006	(4 G 1.5+2x(2x0.75)C)C	14.5	7.5 x d
IKG4067	MAT9190007	(4 G 2.5+2x(2x1.5)C)C	16.5	7.5 x d
IKG4070	MAT9190008	(4 G 2.5+2x(2x1.5)C)C	16.5	7.5 x d
IKG4087	MAT9190009	(4 G 4.0+2x(2x1.5)C)C	18.5	7.5 x d
IKG4090	MAT9190010	(4 G 4.0+2x(2x1.5)C)C	18.5	7.5 x d
IKG4100	MAT9190020	(4G1.0+2x(2x0.75)C)C	13.5	7.5 x d
IKG4107	MAT9190011	(4 G 6.0+2x(2x1.5)C)C	20.5	7.5 x d
IKG4119	MAT9190027	(4G1.0+2x(2x0.75)C)C	13.5	7.5 x d
IKG4150	MAT9190012	(4 G 6.0+2x(2x1.5)C)C	20.5	7.5 x d
IKG4155	MAT9190028	(4G6.0+2x(2x1.5)C)C	19.5	7.5 x d
IKG4164	MAT9190035	(4G10.0+2x(2x1.5)C)C	23.5	7.5 x d
IKG4167	MAT9190013	(4 G 10.0+2x(2x1.5)C)C	24.0	7.5 x d
IKG4186	MAT9190021	(4G16.0+2x(2x1.5)C)C	26.0	7.5 x d
IKG4200	MAT9190032	(4G16.0+2x(2x1.5)C)C	26.0	7.5 x d
IKG4204	MAT9190052	(4G25.0+2x(2x1.5)C)C	30.0	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor



- **Overall shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- **Nominal voltage:** 600/1000 V
- **Minimum bending radius for use in Energy Chains®:** 7.5 x cable diameter
- **Colour:** green (similar to RAL 6005)

Chainflex® PVC servo cable, oil-resistant: Connection cables with adapter plugs

Rexroth Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
------------------	----------------	---	------	----------------



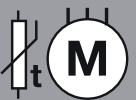
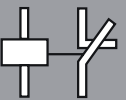
IKG0089	MAT9191005	(4G6.0+2x(2x1.5)C)C	19.5	7.5 x d
IKG0168	MAT9191006	(4G25.0+2x(2x1.5)C)C	30.0	7.5 x d
IKG4006	MAT9191001	(4 G 1.5+2x(2x0.75)C)C	14.5	7.5 x d
IKG4016	MAT9191002	(4 G 1.5+2x(2x0.75)C)C	14.5	7.5 x d
IKG4141	MAT9191003	(4G6.0+2x(2x1.5)C)C	19.5	7.5 x d
IKG4161	MAT9191004	(4G10.0+2x(2x1.5)C)C	23.5	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFREXROTH (for up to 10 cuts of the same type)

Chainflex® power cable

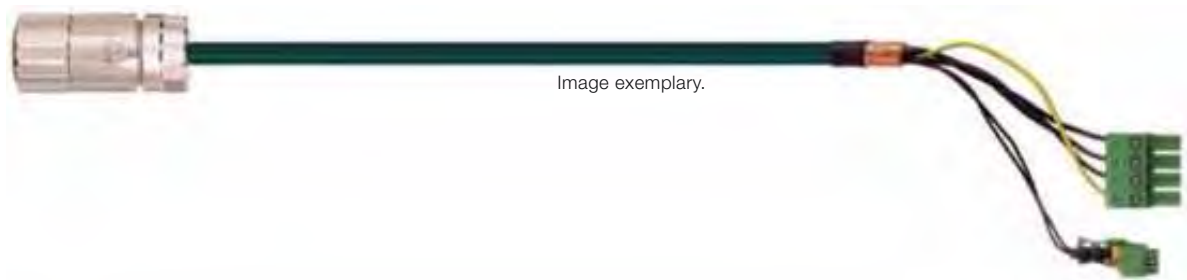
harnessed according to Rexroth standard

Technical information

- oil-resistant
- Flame-retardant
- Shielded
- Intermediate jacket on the basis of PVC
- Temperature range (moved): -5 °C to +70 °C
- Signal pairs: pair shielding of extremely readily bending/firm cooper shield, coverage approx. 70% linear, approx. 90% optical, and metal foil

Chainflex® PVC servo cable, oil-resistant: Basic cables

Rexroth Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	∅ mm	Bending radius
------------------	----------------	---	------	----------------



RKL4301	MAT9190037	(4G1.5+2x(2x0.75)C)C	14.5	7.5 x d
RKL4302	MAT9190026	(4G1.0+2x(2x0.75)C)C	13.5	7.5 x d
RKL4303	MAT9190029	(4G1.0+2x(2x0.75)C)C	13.5	7.5 x d
RKL4306	MAT9190040	(4G1.5+2x(2x0.75)C)C	14.5	7.5 x d
RKL4307	MAT9190041	(4G1.5+2x(2x0.75)C)C	14.5	7.5 x d
RKL4308	MAT9190033	(4G2.5+2x(2x1.5)C)C	16.0	7.5 x d
RKL4309	MAT9190042	(4G2.5+2x(2x1.5)C)C	16.0	7.5 x d
RKL4310	MAT9190043	(4G2.5+2x(2x1.5)C)C	16.0	7.5 x d
RKL4313	MAT9190062	(4G4.0+2x(2x1.5)C)C	18.0	7.5 x d
RKL4314	MAT9190060	(4G4.0+2x(2x1.5)C)C	18.8	7.5 x d
RKL4315	MAT9190059	(4G4.0+2x(2x1.5)C)C	18.0	7.5 x d
RKL4317	MAT9190061	(4G6.0+2x(2x1.5)C)C	19.5	7.5 x d
RKL4318	MAT9190047	(4G6.0+2x(2x1.5)C)C	19.5	7.5 x d
RKL4325	MAT9190049	(4G1.5+2x(2x0.75)C)C	14.5	7.5 x d
RKL4327	MAT9190050	(4G4.0+2x(2x1.5)C)C	18.0	7.5 x d
RKL4329	MAT9190051	(4G10.0+2x(2x1.5)C)C	23.5	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow **x** = without earthed conductor



- Overall shield: extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- Nominal voltage: 600/1000 V
- Minimum bending radius for use in Energy Chains®: 7.5 x cable diameter
- Colour: green (similar to RAL 6005)

Chainflex® PVC servo cable, oil-resistant: Connection cables with adapter plugs

Rexroth Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
------------------	----------------	---	------	----------------



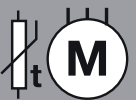
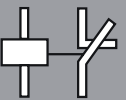
RKL4304	MAT9191007	(4G1.5+2x(2x0.75)C)C	14.5	7.5 x d
RKL4305	MAT9191008	(4G1.0+2x(2x0.75)C)C	13.5	7.5 x d
RKL4311	MAT9191009	(4G1.5+2x(2x0.75)C)C	14.5	7.5 x d
RKL4312	MAT9191010	(4G2.5+2x(2x1.5)C)C	16.0	7.5 x d
RKL4316	MAT9191011	(4G4.0+2x(2x1.5)C)C	18.0	7.5 x d
RKL4319	MAT9191012	(4G6.0+2x(2x1.5)C)C	19.5	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFREXROTH (for up to 10 cuts of the same type)

Chainflex® encoder cable

harnessed according to Rexroth standard

Technical information

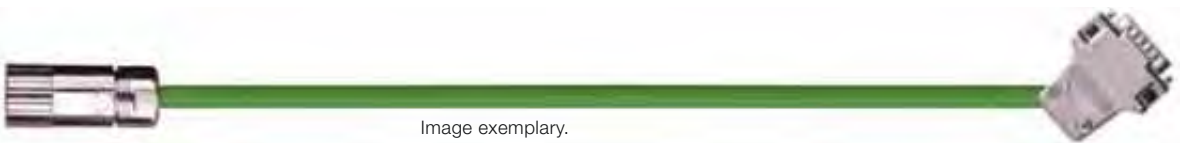
- Oil-resistant and coolant-resistant
- Shielded
- Thin-walled, halogen-free
- Temperature range (moved): -35 °C to +100 °C
- Overall shield: extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- Nominal voltage: 30 V

Chainflex® TPE signal/encoder cable, oil-resistant: Basic cables

Rexroth Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
------------------	----------------	---	------	----------------



IKS0230	MAT9100008	(2x(2x0.25)+2x0.5)C	7.0	10 x d
IKS0232	MAT9100009	(2x(2x0.25)+2x0.5)C	7.0	10 x d
IKS0251	MAT9100014*	(12x0.5)C	11.5	10 x d
IKS0262	MAT9100016*	(12x0.5)C	11.5	10 x d
IKS0301	MAT9100015	(4x(2x0.25)+2x1.0)C	9.5	10 x d
IKS0315	MAT9100020	(4x(2x0.25)+2x1.0)C	9.5	10 x d
IKS0374	MAT9100011	(4x(2x0.25)+2x1.0)C	9.5	10 x d
IKS4002	MAT9100010	(3x0.25+3x(2x0.25)C+2x1.0)C	9.0	10 x d
IKS4020	MAT9100006	(4x2x0.14+4x1.0+(4x0.14)C)C	9.0	10 x d
IKS4042	MAT9100017	(4x(2x0.25)+2x0.5)C	9.0	10 x d
IKS4103	MAT9100001	(4x(2x0.25)+2x0.5)C	9.5	10 x d
IKS4142	MAT9100007	(4x2x0.14+4x1.0+(4x0.14)C)C	9.0	10 x d
IKS4314	MAT9100004	(4x(2x0.25)+(2x1.0))C	9.5	10 x d
IKS4374	MAT9100002	(4x(2x0.25)+2x0.5)C	9.5	10 x d
IKS4375	MAT9100003	(4x(2x0.25)+2x0.5)C	9.5	10 x d
IKS4384	MAT9100005	(3x0.25+3x(2x0.25)C+2x1.0)C	9.0	10 x d



RKG4200	MAT9100013	(4x(2x0.25)+2x0.5)C	9.5	10 x d
---------	------------	---------------------	-----	--------

* without DESINA

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor



- Minimum bending radius for use in Energy
Chains®: 10 x cable diameter
- Colour: green (similar to RAL 6018)

Chainflex® TPE signal/encoder cable, oil-resistant: Connection cables with adapter plugs

Rexroth Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
------------------	----------------	---	------	----------------



IKS0255	MAT9100018	(12x0.5)C	11.5	10 x d
IKS0303	MAT9100019*	(4x(2x0.25)+2x1.0)C	9.5	10 x d
IKS4065	MAT9101001	(4x(2x0.25)+2x0.5)C	9.5	10 x d
IKS4151	MAT9101002	(4x(2x0.25)+2x0.5)C	9.5	10 x d
IKS4153	MAT9101003	(4x(2x0.25)+2x0.5)C	9.5	10 x d
IKS4376	MAT9101004	(4x(2x0.25)+2x0.5)C	9.5	10 x d
IKS4322	MAT9101005	(4x(2x0.25)+2x0.5)C	9.5	10 x d

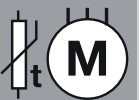
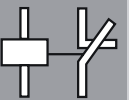
* without DESINA

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFREXROTH (for up to 10 cuts of the same type)

Chainflex[®] encoder cable

harnessed according to Rexroth standard

Technical information

- oil-resistant
- Flame-retardant
- Shielded
- Temperature range (moved): -5 °C to +70 °C
- Overall shield: extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- Nominal voltage: 30 V

Chainflex[®] PVC signal/encoder cable, oil-resistant: Basic cables

Rexroth Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	∅ mm	Bending radius
------------------	----------------------------	--	------	----------------



Image exemplary.

IKS0230	MAT9110008	(2x(2x0.25)+2x0.5)C	7.0	10 x d
IKS0232	MAT9110009	(2x(2x0.25)+2x0.5)C	7.0	10 x d
IKS0301	MAT9110015	(4x(2x0.25)+2x1.0)C	9.5	10 x d
IKS0315	MAT9110020	(4x(2x0.25)+2x1.0)C	9.5	10 x d
IKS0374	MAT9110011	(4x(2x0.25)+2x1.0)C	9.5	10 x d
IKS4002	MAT9110010	(3x0.25+3x(2x0.25)C+2x1.0)C	9.0	10 x d
IKS4020	MAT9110006	(4x2x0.14+4x1.0+(4x0.14)C)C	9.0	10 x d
IKS4042	MAT9110017	(4x(2x0.25)+2x0.5)C	9.0	10 x d
IKS4103	MAT9110001	(4x(2x0.25)+2x0.5)C	9.0	10 x d
IKS4142	MAT9110007	(4x2x0.14+4x1.0+(4x0.14)C)C	9.0	10 x d
IKS4314	MAT9110004	(4x(2x0.25)+2x0.5)C	9.0	10 x d
IKS4374	MAT9110002	(4x(2x0.25)+2x0.5)C	9.0	10 x d
IKS4375	MAT9110003	(4x(2x0.25)+2x0.5)C	9.0	10 x d
IKS4384	MAT9110005	(3x0.25+3x(2x0.25)C+2x1.0)C	9.0	10 x d



Image exemplary.

RKG4200	MAT9110013	(4x(2x0.25)+2x0.5)C	9.5	10 x d
---------	------------	---------------------	-----	--------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor



- Minimum bending radius for use in Energy
Chains®: 10 x cable diameter
- Colour: gray (similar to RAL 7001)

Chainflex® PVC signal/encoder cable, oil-resistant: Connection cables with adapter plugs

Rexroth Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
------------------	----------------	---	------	----------------



Image exemplary.

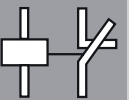
IKS0303	MAT9110019	(4x(2x0.25)+2x1.0)C	9.5	10 x d
IKS4065	MAT9111001	(4x(2x0.25)+2x0.5)C	9.0	10 x d
IKS4151	MAT9111002	(4x(2x0.25)+2x0.5)C	9.0	10 x d
IKS4153	MAT9111003	(4x(2x0.25)+2x0.5)C	9.0	10 x d
IKS4376	MAT9111004	(4x(2x0.25)+2x0.5)C	9.0	10 x d
IKS4322	MAT9111005	(4x(2x0.25)+2x0.5)C	9.0	10 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFREXROTH (for up to 10 cuts of the same type)

Chainflex® power cable Premium harnessed according to Fanuc standard

Technical information

- Oil-resistant and coolant-resistant
- Shielded
- Notch-resistant, hydrolysis-resistant and microbe-resistant
- Intermediate jacket on the basis of PUR
- **Signal pairs:** pair shielding of extremely readily bending/firm cooper shield, coverage approx. 70% linear, 90% optical, and metal foil

Chainflex® PUR servo cable: Basic cables

Fanuc Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
----------------	----------------	---	------	----------------



LX660-8077-T261	MAT9210061	(4 G 1.5)C	10.5	7.5 x d
-----------------	------------	------------	------	---------



LX660-8077-T264	MAT9210064	(4 G 2.5)C	12.0	7.5 x d
LX660-8077-T266	MAT9210066	(4 G 2.5)C	12.0	7.5 x d



LX660-8077-T265	MAT9210065	(4 G 2.5)C	12.0	7.5 x d
LX660-8077-T267	MAT9210067	(4 G 2.5)C	12.0	7.5 x d



LX660-8077-T270*	MAT9210070	(4 G 4.0)C	15.5	7.5 x d
LX660-8077-T272	MAT9210072	(4 G 10.0)C	20.5	7.5 x d



LX660-8077-T271*	MAT9210071	(4 G 4.0)C	15.5	7.5 x d
LX660-8077-T273	MAT9210073	(4 G 10.0)C	20.5	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

* Delivery time upon inquiry

G = with earthed conductor green-yellow x = without earthed conductor



- **Overall shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, 90% optical
- **Temperature range (moved):** -20 °C to +80 °C
- **Nominal voltage:** 600/1000 V
- **Minimum bending radius for use in Energy Chains®:** 7.5 x cable diameter
- **Colour:** orange (similar to RAL 2003)

Chainflex® PUR servo cable: Basic cables

Fanuc Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
----------------	----------------	--	------	----------------



LX660-8077-T291	MAT9210091	(4 G 2.5)C	12.0	7.5 x d
LX660-8077-T293*	MAT9210093	(4 G 4.0)C	15.5	7.5 x d



LX660-8077-T292*	MAT9210092	(4 G 4.0)C	15.5	7.5 x d
------------------	------------	------------	------	---------



LX660-8077-T296	MAT9210096	(4 G 2.5)C	12.0	7.5 x d
-----------------	------------	------------	------	---------



LX660-8077-T298*	MAT9210098	(4 G 4.0)C	15.5	7.5 x d
------------------	------------	------------	------	---------

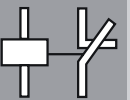


LX660-8077-T300	MAT9210300	(4 G 2.5)C	12.0	7.5 x d
-----------------	------------	------------	------	---------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

* Delivery time upon inquiry

G = with earthed conductor green-yellow x = without earthed conductor



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFREXROTH (for up to 10 cuts of the same type)

Chainflex[®] power cable Economy harnessed according to Fanuc standard

Technical information

- oil-resistant
- Shielded
- Halogen-free
- Temperature range (moved): -20 °C to +80 °C
- Signal pairs: pair shielding of extremely readily bending/firm cooper shield, coverage approx. 70% linear, approx. 80% optical
- Nominal voltage: 600/1000 V

Chainflex[®] PUR servo cable: Basic cables

Fanuc Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
	LX660-8077-T261	MAT9200061 (4 G 1.5)C	8.5	10 x d
	LX660-8077-T264	MAT9200064 (4 G 2.5)C	10.5	10 x d
	LX660-8077-T266	MAT9200066 (4 G 2.5)C	10.5	10 x d
	LX660-8077-T265	MAT9200065 (4 G 2.5)C	10.5	10 x d
	LX660-8077-T267	MAT9200067 (4 G 2.5)C	10.5	10 x d
	LX660-8077-T270*	MAT9200070 (4 G 4.0)C	12.0	10 x d
	LX660-8077-T272	MAT9200072 (4 G 10.0)C	17.5	10 x d
	LX660-8077-T271*	MAT9200071 (4 G 4.0)C	12.0	10 x d
	LX660-8077-T273	MAT9200073 (4 G 10.0)C	17.5	10 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

* Delivery time upon inquiry

G = with earthed conductor green-yellow x = without earthed conductor



- **Overall shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 80% optical
- Colour: orange (similar to RAL 2003)
- **Minimum bending radius for use in Energy Chains®:** 10 x cable diameter
- Especially for freely suspended travel distances

Chainflex® PUR servo cable: Basic cables

Fanuc Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
----------------	----------------	---	------	----------------



LX660-8077-T291	MAT9200091	(4 G 2.5)C	10.5	10 x d
LX660-8077-T293*	MAT9200093	(4 G 4.0)C	12.0	10 x d



LX660-8077-T292*	MAT9200092	(4 G 4.0)C	12.0	10 x d
------------------	------------	------------	------	--------



LX660-8077-T296	MAT9200096	(4 G 2.5)C	10.5	10 x d
-----------------	------------	------------	------	--------



LX660-8077-T298*	MAT9200098	(4 G 4.0)C	15.5	10 x d
------------------	------------	------------	------	--------



LX660-8077-T300	MAT9200300	(4 G 2.5)C	12.0	10 x d
-----------------	------------	------------	------	--------

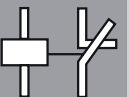
Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

* Delivery time upon inquiry

G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...
... and order online ► www.igus.eu/en/CFFANUC (for up to 10 cuts of the same type)

Chainflex[®] signal cable Premium

harnessed according to Fanuc standard

Technical information

- Oil-resistant and coolant-resistant
- Shielded
- Thin-walled, halogen-free
- Temperature range (moved): -35 °C to +100 °C
- Overall shield: extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- Nominal voltage: 30 V

Chainflex[®] TPE signal/encoder cable, oil-resistant: Basic cables

Fanuc Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
----------------	----------------------------	--	------	----------------



LX660-4077-T296	MAT9310296	(5x0.5+1x2x0.25)C	8.5	10 x d
-----------------	------------	-------------------	-----	--------



LX660-4077-T297	MAT9310297	(5x0.5+1x2x0.25)C	8.5	10 x d
-----------------	------------	-------------------	-----	--------



LX660-4077-T302	MAT9310302	((6x0.5)+5x(2x0.25))C	12.5	10 x d
-----------------	------------	-----------------------	------	--------



LX660-4077-T303	MAT9310303	((6x0.5)+5x(2x0.25))C	12.5	10 x d
-----------------	------------	-----------------------	------	--------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor



- Minimum bending radius for use in Energy
Chains®: 10 x cable diameter
- Colour: green (similar to RAL 6018)

Chainflex® TPE signal/encoder cable, oil-resistant: Basic cables

Fanuc Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
-------------------	-------------------	--	---------	-------------------



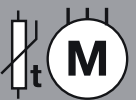
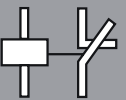
LX660-4077-T319	MAT9310319	(6x0.5+5x2x0.25)C	12.5	10 x d
-----------------	------------	-------------------	------	--------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFFANUC

(for up to 10 cuts of the same type)

Chainflex[®] signal cable Economy

harnessed according to Fanuc standard

Technical information

- Oil-resistant and coolant-resistant
- Shielded
- Thin-walled
- Temperature range (moved): -35 °C to +100 °C
- Overall shield: extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 80% optical
- Nominal voltage: 30 V

Chainflex[®] TPE signal/encoder cable, oil-resistant: Basic cables

Fanuc Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
----------------	----------------------------	--	------	----------------



LX660-4077-T296	MAT9300296	(5x0.5+1x2x0.25)C	7.5	12 x d
-----------------	------------	-------------------	-----	--------



LX660-4077-T297	MAT9300297	(5x0.5+1x2x0.25)C	7.5	12 x d
-----------------	------------	-------------------	-----	--------



LX660-4077-T302	MAT9300302	((6x0.5)+5x(2x0.25))C	9.6	12 x d
-----------------	------------	-----------------------	-----	--------



LX660-4077-T303	MAT9300303	((6x0.5)+5x(2x0.25))C	9.6	12 x d
-----------------	------------	-----------------------	-----	--------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor



- **Minimum bending radius for use in Energy**
Chains[®]: 12 x cable diameter
- Colour: green (similar to RAL 6018)
- Especially for freely suspended travel distances

Chainflex[®] TPE signal/encoder cable, oil-resistant: Basic cables

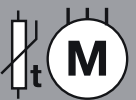
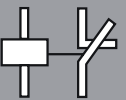
Fanuc Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	∅ mm	Bending radius
-------------------	-------------------------------	---	---------	-------------------



LX660-4077-T319	MAT9300319	(6x0.5+5x2x0.25)C	9.6	12 x d
-----------------	------------	-------------------	-----	--------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFFANUC

(for up to 10 cuts of the same type)

Chainflex[®] servo cable

harnessed according to SEW standard (Amphenol)

Technical information

- Oil-resistant and coolant-resistant, shielded
- Notch-resistant, hydrolysis-resistant and microbe-resistant
- Intermediate jacket on the basis of PUR
- **Signal pairs:** pair shielding of extremely readily bending/firm cooper shield, coverage approx. 70% linear, approx. 90% optical, and metal foil
- **Nominal voltage:** 600/1000 V

Chainflex[®] PUR servo cable, oil-resistant: Direct lines

SEW Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	∅ mm	Bending radius
--------------	----------------------------	--	------	----------------



199 190 6	MAT9400001	(4 G 1.5+2x(2x0.75)C)C	14.5	7.5 x d
199 192 2	MAT9400002	(4 G 2.5+2x(2x1.5)C)C	16.5	7.5 x d
199 194 9	MAT9400003	(4 G 4+2x(2x1.5)C)C	18.0	7.5 x d
199 196 5	MAT9400004	(4 G 6+2x(2x1.5)C)C	19.5	7.5 x d
199 198 1	MAT9400005	(4 G 10+2x(2x1.5)C)C	23.5	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor

Chainflex[®] PUR servo cable, oil-resistant: Extension cables

SEW Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	∅ mm	Bending radius
--------------	----------------------------	--	------	----------------



199 200 7	MAT9401001	(4 G 1.5+2x(2x0.75)C)C	14.5	7.5 x d
199 202 3	MAT9401002	(4 G 2.5+2x(2x1.5)C)C	16.5	7.5 x d
199 204 X	MAT9401003	(4 G 4+2x(2x1.5)C)C	18.0	7.5 x d
199 206 6	MAT9401004	(4 G 6+2x(2x1.5)C)C	19.5	7.5 x d
199 208 2	MAT9401005	(4 G 10+2x(2x1.5)C)C	23.5	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor



- **Overall shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, 90% optical
- **Temperature range (moved):** -20 °C to +80 °C
- Colour: orange (similar to RAL 2003)
- **Minimum bending radius for use in Energy Chains®:** 7.5 x cable diameter

Chainflex® PUR servo cable, oil-resistant: Direct lines

SEW Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
-----------------	-------------------	--	---------	-------------------



1332 486 1	MAT9400011	(4 G 1.5+1x(2x1.0)C)C	12.5	7.5 x d
------------	------------	-----------------------	------	---------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® PUR servo cable, oil-resistant: Extension cables

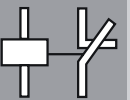
SEW Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
-----------------	-------------------	--	---------	-------------------



0593 650 0	MAT9401011	(4 G 1.5+1x(2x1.0)C)C	12.5	7.5 x d
------------	------------	-----------------------	------	---------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFSEW

(for up to 10 cuts of the same type)

Chainflex® servo cable

harnessed according to SEW standard (Amphenol)

Technical information

- oil-resistant
- Flame-retardant
- Shielded
- Intermediate jacket on the basis of PVC
- **Signal pairs:** pair shielding of extremely readily bending/firm cooper shield, coverage approx. 70% linear, approx. 90% optical, and metal foil
- **Temperature range (moved):** -5 °C to +70 °C

Chainflex® PVC servo cable, oil-resistant: Direct lines

SEW Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
--------------	----------------	---	------	----------------



199 190 6	MAT9410001	(4 G 1.5+2x(2x0.75)C)C	14.5	7.5 x d
199 192 2	MAT9410002	(4 G 2.5+2x(2x1.5)C)C	16.5	7.5 x d
199 194 9	MAT9410003	(4 G 4+2x(2x1.5)C)C	18.0	7.5 x d
199 196 5	MAT9410004	(4 G 6+2x(2x1.5)C)C	19.5	7.5 x d
199 198 1	MAT9410005	(4 G 10+2x(2x1.5)C)C	23.5	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® PVC servo cable, oil-resistant: Extension cables

SEW Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
--------------	----------------	---	------	----------------



199 200 7	MAT9411001	(4 G 1.5+2x(2x0.75)C)C	14.5	7.5 x d
199 202 3	MAT9411002	(4 G 2.5+2x(2x1.5)C)C	17.0	7.5 x d
199 204 X	MAT9411003	(4 G 4+2x(2x1.5)C)C	18.5	7.5 x d
199 206 6	MAT9411004	(4 G 6+2x(2x1.5)C)C	20.5	7.5 x d
199 208 2	MAT9411005	(4 G 10+2x(2x1.5)C)C	24.0	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor



- **Overall shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, 90% optical
- **Nominal voltage:** 600/1000 V
- **Colour:** green (similar to RAL 6005)
- **Minimum bending radius for use in Energy Chains®:** 7.5 x cable diameter

Chainflex® PVC servo cable, oil-resistant: Direct lines

SEW Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
--------------	----------------	--	------	----------------



1332 486 1	MAT9410011	(4 G 1.5+1x(2x1.0)C)C	12.5	7.5 x d
------------	------------	-----------------------	------	---------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® PVC servo cable, oil-resistant: Extension cables

SEW Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
--------------	----------------	--	------	----------------



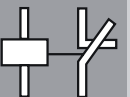
0593 650 0	MAT9411011	(4 G 1.5+1x(2x1.0)C)C	12.5	7.5 x d
------------	------------	-----------------------	------	---------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFSEW

(for up to 10 cuts of the same type)

Chainflex® power cable

harnessed according to SEW standard (Amphenol)

Technical information

- Oil-resistant and coolant-resistant
- Flame-retardant
- Shielded
- Temperature range (moved): -35 °C to +90 °C
- Intermediate jacket on the basis of TPE
- **Overall shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical

Chainflex® TPE power cable, oil-resistant: Direct lines

SEW Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
--------------	----------------	---	------	----------------



199 180 9	MAT9400006	(4 G 1.5)C	9.5	7.5 x d
199 182 5	MAT9400007	(4 G 2.5)C	11.0	7.5 x d
199 184 1	MAT9400008	(4 G 4.0)C	14.0	7.5 x d
199 186 8	MAT9400009	(4 G 6.0)C	15.5	7.5 x d
199 188 4	MAT9400010	(4 G 10.0)C	19.5	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® TPE power cable, oil-resistant: Extension cables

SEW Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
--------------	----------------	---	------	----------------



199 550 2	MAT9401006	(4 G 1.5)C	9.5	7.5 x d
199 552 9	MAT9401007	(4 G 2.5)C	11.0	7.5 x d
199 554 5	MAT9401008	(4 G 4.0)C	14.0	7.5 x d
199 556 1	MAT9401009	(4 G 6.0)C	15.5	7.5 x d
199 558 8	MAT9401010	(4 G 10.0)C	19.5	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor



- Colour: black (similar to RAL 9005)
- Minimum bending radius for use in Energy
Chains®: 7.5 x cable diameter
- Nominal voltage: 600/1000 V
- For maximum load requirements

Chainflex® TPE power cable, oil-resistant: Direct lines

SEW Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
-----------------	-------------------	--	---------	-------------------



0590 477 3	MAT9400012	(4 G 1.5)C	9.5	7.5 x d
------------	------------	------------	-----	---------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® TPE power cable, oil-resistant: Extension cables

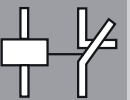
SEW Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
-----------------	-------------------	--	---------	-------------------



0590 361 0	MAT9401012	(4 G 1.5)C	9.5	7.5 x d
------------	------------	------------	-----	---------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFSEW

(for up to 10 cuts of the same type)

Chainflex[®] power cable

harnessed according to SEW standard (Amphenol)

Technical information

- oil-resistant
- Flame-retardant
- Shielded
- Intermediate jacket on the basis of PVC
- **Overall shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- **Temperature range (moved):** -5 °C to +70 °C

Chainflex[®] PVC power cable, oil-resistant: Direct lines

SEW Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	∅ mm	Bending radius
--------------	----------------------------	--	------	----------------



199 180 9	MAT9410006	(4 G 1.5)C	10.5	7.5 x d
199 182 5	MAT9410007	(4 G 2.5)C	12.5	7.5 x d
199 184 1	MAT9410008	(4 G 4.0)C	14.0	7.5 x d
199 186 8	MAT9410009	(4 G 6.0)C	16.0	7.5 x d
199 188 4	MAT9410010	(4 G 10.0)C	20.5	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor

Chainflex[®] PVC power cable, oil-resistant: Extension cables

SEW Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	∅ mm	Bending radius
--------------	----------------------------	--	------	----------------



199 550 2	MAT9411006	(4 G 1.5)C	10.5	7.5 x d
199 552 9	MAT9411007	(4 G 2.5)C	12.5	7.5 x d
199 554 5	MAT9411008	(4 G 4.0)C	14.0	7.5 x d
199 556 1	MAT9411009	(4 G 6.0)C	16.0	7.5 x d
199 558 8	MAT9411010	(4 G 10.0)C	20.5	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor



- **Nominal voltage:** 600/1000 V
- **Minimum bending radius for use in Energy**
Chains®: 7.5 x cable diameter
- **Colour:** anthracite-gray (similar to RAL 7016)

Chainflex® PVC power cable, oil-resistant: Direct lines

SEW Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
-----------------	-------------------	---	---------	-------------------



0590 477 3	MAT9410012	(4 G 1.5)C	10.5	7.5 x d
------------	------------	------------	------	---------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222

Chainflex® PVC power cable, oil-resistant: Extension cables

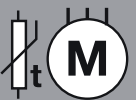
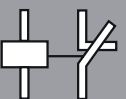
SEW Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
-----------------	-------------------	---	---------	-------------------



0590 361 0	MAT9411012	(4 G 1.5)C	9.5	7.5 x d
------------	------------	------------	-----	---------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFSEW

(for up to 10 cuts of the same type)

Chainflex® encoder cable

harnessed according to SEW standard

Technical information

- Oil-resistant and coolant-resistant, shielded
- Thin-walled, halogen-free
- **Minimum bending radius for use in Energy**
Chains®: 7.5 x cable diameter
- **Overall shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- **Intermediate jacket on the basis of TPE**

Chainflex® TPE signal/encoder cable, oil-resistant: Direct lines

SEW Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm ²]	∅ mm	Bending radius
-----------------	-------------------	---	---------	-------------------



199 319 4	MAT9500001	(4x(2x0.25)+(2x0.5))C	9.5	7.5 x d
1332 743 7	MAT9500002	(4x(2x0.25)+(2x0.5))C	9.5	7.5 x d
1332 455 1	MAT9500003	(4x(2x0.25)+(2x0.5))C	9.5	7.5 x d
198 930 8	MAT9500004	(4x(2x0.25)+(2x0.5))C	9.5	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor



- Temperature range (moved): -35 °C to +100 °C
- Nominal voltage: 30 V
- Colour: green (similar to RAL 6018)

Chainflex® TPE signal/encoder cable, oil-resistant: Extension cables

SEW Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
-----------------	-------------------	---	---------	-------------------

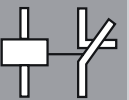


199 541 3	MAT9501001	(4x(2x0.25)+(2x0.5))C	9.5	7.5 x d
199 540 5	MAT9501002	(4x(2x0.25)+(2x0.5))C	9.5	7.5 x d
0593 968 2	MAT9501003	(4x(2x0.25)+(2x0.5))C	9.5	7.5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow **x** = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFSEW

(for up to 10 cuts of the same type)

Chainflex® encoder cable

harnessed according to SEW standard

Technical information

- oil-resistant
- Flame-retardant
- Shielded
- Temperature range (moved): -5 °C to +70 °C
- Overall shield: extremely readily bending/solid copper shield, coverage approx. 70% linear, 90% optical
- Nominal voltage: 30 V

Chainflex® PVC signal/encoder cable, oil-resistant: Direct lines

SEW Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm ²]	∅ mm	Bending radius
-----------------	-------------------	---	---------	-------------------



199 319 4	MAT9510001	(4x(2x0.25)+(2x0.5))C	9.0	10 x d
1332 743 7	MAT9510002	(4x(2x0.25)+(2x0.5))C	9.0	10 x d
1332 455 1	MAT9510003	(4x(2x0.25)+(2x0.5))C	9.0	10 x d
198 930 8	MAT9510004	(4x(2x0.25)+(2x0.5))C	9.0	10 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor



- Minimum bending radius for use in Energy Chains®:
10 x cable diameter
- Colour: gray (similar to RAL 7001)

Chainflex® PVC signal/encoder cable, oil-resistant: Extension cables

SEW Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	∅ mm	Bending radius
-----------------	-------------------	--	---------	-------------------

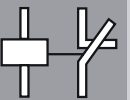


199 541 3	MAT9511001	(4x(2x0.25)+(2x0.5))C	9.0	10 x d
199 540 5	MAT9511002	(4x(2x0.25)+(2x0.5))C	9.0	10 x d
0593 968 2	MAT9511003	(4x(2x0.25)+(2x0.5))C	9.0	10 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow **x** = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFSEW

(for up to 10 cuts of the same type)

Chainflex[®] adapter cable





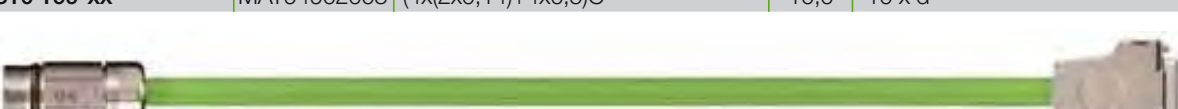

harnessed according to Heidenhain standard

Technical information

- Oil-resistant and coolant-resistant
- Shielded
- Notch-resistant, hydrolysis-resistant and microbe-resistant
- Flame-retardant
- **T/R (moved):** -20 °C to + 80°C
- **Nominal voltage:** 30 V
- **Total shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical

Chainflex[®] PUR signal/encoder cable, oil-resistant: Connecting cable

Heidenhain Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	∅ mm	Bending radius
---------------------	----------------------------	--	------	----------------

	332 115-xx	MAT94901001	(4x(2x0,14)+(4x0,14)C+4x0,5)C	12,0	10 x d
	360 472-xx	MAT94901002	(4x(2x0,14)+(4x0,14)C+4x0,5)C	12,0	10 x d
	310 197-xx	MAT94902001	(3x(2x0,14)C+(2x0,5)C)C	12,0	10 x d
	324 544-xx	MAT94902002	(4x(2x0,14)+(4x0,14)C+4x0,5)C	12,0	10 x d
	310 199-xx	MAT94902003	(4x(2x0,14)+4x0,5)C	10,0	10 x d
	309 738-xx	MAT94903001	(4x(2x0,14)+4x0,5)C	10,0	10 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor



- Minimum bending radius for use in Energy Chains®:
10 x cable diameter
- Colour: green (similar to RAL 6018)

Chainflex® PUR signal/encoder cable, oil-resistant: Connecting cable

Heidenhain Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
---------------------	----------------	---	------	----------------



354 411-xx	MAT94904001	(4x(2x0,14)+(4x0,14)C+4x0,5)C	12,0	10 x d
355 398-xx	MAT94904002	(4x(2x0,14)+(4x0,14)C+4x0,5)C	12,0	10 x d



298 399-xx	MAT94905001	(4x(2x0,14)+4x0,5)C	10,0	10 x d
------------	-------------	---------------------	------	--------



309 774-xx	MAT94906001	(4x(2x0,14)+4x0,5)C	10,0	10 x d
------------	-------------	---------------------	------	--------



309 777-xx	MAT94907001	(4x(2x0,14)+4x0,5)C	10,0	10 x d
309 778-xx	MAT94907002	(4x(2x0,14)+(4x0,14)C+4x0,5)C	12,0	10 x d

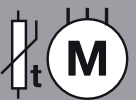
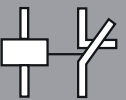


310 193-xx	MAT94907003	(3x(2x0,14)C+(2x0,5)C)C	12,0	10 x d
------------	-------------	-------------------------	------	--------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...
... and order online ► www.igus.eu/en/CFHeidenhain (for up to 10 cuts of the same type)

Chainflex[®] adapter cable







harnessed according to Heidenhain standard

Technical information

- Oil-resistant
- Shielded
- T/R (moved): -35 °C to + 100°C
- Nominal voltage: 30 V
- **Total shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- **Minimum bending radius for use in Energy Chains[®]:** 10 x cable diameter

Chainflex[®] TPE signal/encoder cable, oil-resistant: Connecting cable

Heidenhain Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	∅ mm	Bending radius
---------------------	----------------------------	--	------	----------------

	332 115-xx	MAT93901001	(4x(2x0,14)+(4x0,14)C+4x0,5)C	12,0	10 x d
	360 472-xx	MAT93901002	(4x(2x0,14)+(4x0,14)C+4x0,5)C	12,0	10 x d
	310 197-xx	MAT93902001	(3x(2x0,14)C+(2x0,5)C)C	12,5	10 x d
	324 544-xx	MAT93902002	(4x(2x0,14)+(4x0,14)C+4x0,5)C	12,0	10 x d
	310 199-xx	MAT93902003	(4x(2x0,14)+4x0,5)C	9,0	10 x d
	309 738-xx	MAT93903001	(4x(2x0,14)+4x0,5)C	9,0	10 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor



● Colour: green (similar to RAL 6018)

Chainflex® TPE signal/encoder cable, oil-resistant: Connecting cable

Heidenhain Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
---------------------	----------------	--	------	----------------



354 411-xx	MAT93904001	(4x(2x0,14)+(4x0,14)C+4x0,5)C	12,0	10 x d
355 398-xx	MAT93904002	(4x(2x0,14)+(4x0,14)C+4x0,5)C	12,0	10 x d



298 399-xx	MAT93905001	(4x(2x0,14)+4x0,5)C	9,0	10 x d
------------	-------------	---------------------	-----	--------



309 774-xx	MAT93906001	(4x(2x0,14)+4x0,5)C	9,0	10 x d
------------	-------------	---------------------	-----	--------



309 777-xx	MAT93907001	(4x(2x0,14)+4x0,5)C	9,0	10 x d
309 778-xx	MAT93907002	(4x(2x0,14)+(4x0,14)C+4x0,5)C	12,0	10 x d

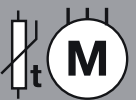
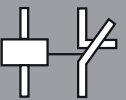


310 193-xx	MAT93907003	(3x(2x0,14)C+(2x0,5)C)C	12,5	10 x d
------------	-------------	-------------------------	------	--------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow **x** = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...
 ... and order online ► www.igus.eu/en/CFHeidenhain (for up to 10 cuts of the same type)

Chainflex[®] servo cable

harnessed according to ELAU standard



Technical information

- Oil-resistant
- Shielded
- Flame-retardant
- **T/R (moved):** -5 °C to + 70°C
- **Nominal voltage:** 600/1000 V
- **Total shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- **Minimum bending radius for use in Energy Chains[®]:** 7,5 x cable diameter
- Colour: green (similar to RAL 6005)

Chainflex[®] PVC servo cable, oil-resistant

ELAU Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
---------------	----------------------------	--	------	----------------



E-MO-067	MAT9470001	(4 G 1,5+2x(2x0,75)C)C	14,5	7,5 x d
E-MO-092	MAT9470004	(4 G 1,5+2x(2x0,75)C)C	14,5	7,5 x d



E-MO-111 SH-Motor 1.5	MAT9470002	(4 G 1,5+2x(2x0,75)C)C	14,5	7,5 x d
-----------------------	------------	------------------------	------	---------



E-MO-087	MAT9470003	(4 G 2,5+2x(2x1,5)C)C	17,0	7,5 x d
----------	------------	-----------------------	------	---------



E-MO-113 SH-Motor 2.5	MAT9470005	(4 G 2,5+2x(2x1,5)C)C	17,0	7,5 x d
-----------------------	------------	-----------------------	------	---------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow **x** = without earthed conductor

Chainflex[®] servo cable

harnessed according to ELAU standard



Servo
PUR

Technical information

- Oil-resistant and coolant-resistant
- Shielded
- Notch-resistant, hydrolysis-resistant and microbe-resistant
- Flame-retardant
- T/R (moved): -20 °C to + 80°C
- Nominal voltage: 600/1000 V
- Total shield: extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- Minimum bending radius for use in Energy Chains[®]: 7,5 x cable diameter
- Colour: orange (similar to RAL 2003)

Chainflex[®] PUR servo cable, oil-resistant

ELAU Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
---------------	----------------------------	--	------	----------------



E-MO-067	MAT9470101	(4G1,0+2x(2x0,75)C)C	14,5	7,5 x d
E-MO-092	MAT9470104	(4 G 1,5+2x(2x0,75)C)C	14,5	7,5 x d



E-MO-111 SH-Motor 1.5	MAT9470102	(4 G 1,5+2x(2x0,75)C)C	14,5	7,5 x d
-----------------------	------------	------------------------	------	---------



E-MO-087	MAT9470103	(4 G 2,5+2x(2x1,5)C)C	16,5	7,5 x d
----------	------------	-----------------------	------	---------

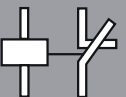


E-MO-113 SH-Motor 2.5	MAT9470105	(4 G 2,5+2x(2x1,5)C)C	16,5	7,5 x d
-----------------------	------------	-----------------------	------	---------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor

Chainflex[®] Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...
... and order online ► www.igus.eu/en/CFELAU (for up to 10 cuts of the same type)

Chainflex[®] encoder cable

harnessed according to ELAU standard



Technical information

- Oil-resistant
- Shielded
- Flame-retardant
- **T/R (moved):** -5 °C to + 70°C
- **Nominal voltage:** 30 V
- **Total shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- **Minimum bending radius for use in Energy Chains[®]:** 10 x cable diameter
- Colour: gray (similar to RAL 7001)

Chainflex[®] PVC signal/encoder cable, oil-resistant

ELAU Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
---------------	----------------------------	--	------	----------------



E-FB-060	MAT9480001	(4x(2x0,25)+2x0,5)c	9,0	10 x d
E-FB-071	MAT9480002	(4x(2x0,25)+2x0,5)c	9,0	10 x d



E-FB-080	MAT9480003	(4x(2x0,25)+2x0,5)c	9,0	10 x d
----------	------------	---------------------	-----	--------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow **x** = without earthed conductor

Chainflex[®] encoder cable harnessed according to ELAU standard



Encoder
TPE

Technical information

- Oil-resistant
- Shielded
- T/R (moved): -35 °C to + 100°C
- Total shield: extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- Nominal voltage: 30 V
- Minimum bending radius for use in Energy Chains[®]: 10 x cable diameter
- Colour: green (similar to RAL 6018)

Chainflex[®] TPE signal/encoder cable, oil-resistant

ELAU Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
---------------	----------------------------	--	------	----------------



E-FB-060	MAT9480101	(4x(2x0,25)+2x0,5)C	9,5	10 x d
E-FB-071	MAT9480102	(4x(2x0,25)+2x0,5)C	9,5	10 x d



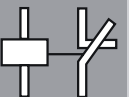
E-FB-080	MAT9480103	(4x(2x0,25)+2x0,5)C	9,5	10 x d
----------	------------	---------------------	-----	--------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor

Chainflex[®] Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFELAU

(for up to 10 cuts of the same type)

Chainflex[®] signal cable

harnessed according to Danaher Motion standard

Technical information

- Oil-resistant
- Shielded
- Flame-retardant
- **T/R (moved):** -5 °C to + 70°C
- **Nominal voltage:** 300/300 V
- **Total shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- **Minimum bending radius for use in Energy Chains[®]:** 10 x cable diameter

Chainflex[®] PVC signal/encoder cable, oil-resistant

Danaher Motion Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
-------------------------	----------------------------	--	------	----------------



84972	MAT9320001	(4 x (2 x 0,25))C	8,0	10 x d
84973	MAT9320009	(4 x (2 x 0,25))C	8,0	10 x d
84974	MAT9320010	(4 x (2 x 0,25))C	8,0	10 x d
84975	MAT9320011	(4 x (2 x 0,25))C	8,0	10 x d
87655	MAT9320012	(4 x (2 x 0,25))C	8,0	10 x d
90287	MAT9320002	(8 x (2 x 0,25))C	11,5	10 x d
91019	MAT9320013	(8 x (2 x 0,25))C	11,5	10 x d
91811	MAT9320014	(8 x (2 x 0,25))C	11,5	10 x d
91807	MAT9320015	(8 x (2 x 0,25))C	11,5	10 x d
92205	MAT9320016	(8 x (2 x 0,25))C	11,5	10 x d
107915	MAT9320004	(8 x (2 x 0,25))C	11,5	10 x d
107916	MAT9320017	(8 x (2 x 0,25))C	11,5	10 x d
107917	MAT9320018	(8 x (2 x 0,25))C	11,5	10 x d
107918	MAT9320019	(8 x (2 x 0,25))C	11,5	10 x d
107919	MAT9320020	(8 x (2 x 0,25))C	11,5	10 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor



● Colour: gray (similar to RAL 7001)

Chainflex® PVC signal/encoder cable, oil-resistant

Danaher Motion Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
-------------------------	----------------	--	------	----------------



85034	MAT9320007	(6 x (2 x 0,25))C	9,5	10 x d
85035	MAT9320021	(6 x (2 x 0,25))C	9,5	10 x d
85036	MAT9320022	(6 x (2 x 0,25))C	9,5	10 x d
85037	MAT9320023	(6 x (2 x 0,25))C	9,5	10 x d

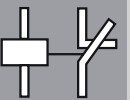


85039	MAT9320008	(6 x (2 x 0,25))C	9,5	10 x d
85040	MAT9320024	(6 x (2 x 0,25))C	9,5	10 x d
85041	MAT9320025	(6 x (2 x 0,25))C	9,5	10 x d
85042	MAT9320026	(6 x (2 x 0,25))C	9,5	10 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...
... and order online ► www.igus.eu/en/CFDanaher (for up to 10 cuts of the same type)

Chainflex[®] signal cable

harnessed according to Danaher Motion standard

Technical information

- Oil-resistant
- Shielded
- T/R (moved): -35 °C to + 100°C
- Nominal voltage: 300/300 V
- **Total shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- **Minimum bending radius for use in Energy Chains[®]:** 10 x cable diameter

Chainflex[®] TPE signal/encoder cable, oil-resistant

Danaher Motion Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
-------------------------	----------------------------	--	------	----------------



84972	MAT9330001	(4 x (2 x 0,25))C	8,0	10 x d
84973	MAT9330009	(4 x (2 x 0,25))C	8,0	10 x d
84974	MAT9330010	(4 x (2 x 0,25))C	8,0	10 x d
84975	MAT9330011	(4 x (2 x 0,25))C	8,0	10 x d
87655	MAT9330012	(4 x (2 x 0,25))C	8,0	10 x d
90287	MAT9330002	(8 x (2 x 0,25))C	11,5	10 x d
91019	MAT9330013	(8 x (2 x 0,25))C	11,5	10 x d
91811	MAT9330014	(8 x (2 x 0,25))C	11,5	10 x d
91807	MAT9330015	(8 x (2 x 0,25))C	11,5	10 x d
92205	MAT9330016	(8 x (2 x 0,25))C	11,5	10 x d
107915	MAT9330004	(8 x (2 x 0,25))C	11,5	10 x d
107916	MAT9330017	(8 x (2 x 0,25))C	11,5	10 x d
107917	MAT9330018	(8 x (2 x 0,25))C	11,5	10 x d
107918	MAT9330019	(8 x (2 x 0,25))C	11,5	10 x d
107919	MAT9330020	(8 x (2 x 0,25))C	11,5	10 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor



● Colour: dark-blue (similar to RAL 5011)

Chainflex® TPE signal/encoder cable, oil-resistant

Danaher Motion Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
-------------------------	----------------	--	------	----------------



85034	MAT9330007	(6 x (2 x 0,25))C	9,5	10 x d
85035	MAT9330021	(6 x (2 x 0,25))C	9,5	10 x d
85036	MAT9330022	(6 x (2 x 0,25))C	9,5	10 x d
85037	MAT9330023	(6 x (2 x 0,25))C	9,5	10 x d



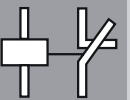
85039	MAT9330008	(6 x (2 x 0,25))C	9,5	10 x d
85040	MAT9330024	(6 x (2 x 0,25))C	9,5	10 x d
85041	MAT9330025	(6 x (2 x 0,25))C	9,5	10 x d
85042	MAT9330026	(6 x (2 x 0,25))C	9,5	10 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFDanaher (for up to 10 cuts of the same type)

Chainflex[®] servo cable

harnessed according to Danaher Motion standard

Technical information

- Oil-resistant
- Shielded
- Flame-retardant
- **T/R (moved):** -5 °C to + 70°C
- **Total shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- **Minimum bending radius for use in Energy Chains[®]:** 7,5 x cable diameter

Chainflex[®] PVC servo cable, oil-resistant

Danaher Motion Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
-------------------------	----------------------------	--	------	----------------



107491	MAT9340001	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
107492	MAT9340005	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
107493	MAT9340006	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
107494	MAT9340007	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
107495	MAT9340008	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
107479	MAT9340009	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
107480	MAT9340010	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
107481	MAT9340011	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
107482	MAT9340012	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
107483	MAT9340013	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
102579	MAT9340014	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
102580	MAT9340015	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
102809	MAT9340016	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
102810	MAT9340017	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
102811	MAT9340018	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
90088	MAT9340019	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
90089	MAT9340020	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
90090	MAT9340021	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
90091	MAT9340022	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
90092	MAT9340023	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
89957	MAT9340024	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
89961	MAT9340025	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
89963	MAT9340026	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
89965	MAT9340027	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
89967	MAT9340028	(4 G 1,5+(2x1)C)C	12,5	7,5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor



- **Nominal voltage:** 600/1000 V
- **Colour:** green (similar to RAL 6005)

Chainflex® PVC servo cable, oil-resistant

Danaher Motion Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
-------------------------	----------------	---	------	----------------

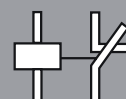


89968	MAT9340029	(4 G 2,5+(2x1)C)C	13,5	7,5 x d
89970	MAT9340030	(4 G 2,5+(2x1)C)C	13,5	7,5 x d
89971	MAT9340031	(4 G 2,5+(2x1)C)C	13,5	7,5 x d
89972	MAT9340032	(4 G 2,5+(2x1)C)C	13,5	7,5 x d
89969	MAT9340033	(4 G 2,5+(2x1)C)C	13,5	7,5 x d
200462	MAT9340034	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
200463	MAT9340035	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
200464	MAT9340036	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
200465	MAT9340037	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
200466	MAT9340038	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
200474	MAT9340039	(4 G 2,5+(2x1)C)C	13,5	7,5 x d
200475	MAT9340040	(4 G 2,5+(2x1)C)C	13,5	7,5 x d
200476	MAT9340041	(4 G 2,5+(2x1)C)C	13,5	7,5 x d
200477	MAT9340042	(4 G 2,5+(2x1)C)C	13,5	7,5 x d
200478	MAT9340043	(4 G 2,5+(2x1)C)C	13,5	7,5 x d
200623	MAT9340044	(4 G 4,0+(2x1)C)C	15,5	7,5 x d
200624	MAT9340045	(4 G 4,0+(2x1)C)C	15,5	7,5 x d
200625	MAT9340046	(4 G 4,0+(2x1)C)C	15,5	7,5 x d
200626	MAT9340047	(4 G 4,0+(2x1)C)C	15,5	7,5 x d
200627	MAT9340048	(4 G 4,0+(2x1)C)C	15,5	7,5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow **x** = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...
 ... and order online ► www.igus.eu/en/CFDanaher (for up to 10 cuts of the same type)

Chainflex[®] servo cable

harnessed according to Danaher Motion standard

Technical information

- Oil-resistant and coolant-resistant
- Shielded
- Notch-resistant, hydrolysis-resistant and microbe-resistant
- Flame-retardant
- **T/R (moved):** -20 °C to + 80 °C
- **Nominal voltage:** 600/1000 V
- **Total shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical

Chainflex[®] PUR servo cable, oil-resistant

Danaher Motion Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
-------------------------	----------------------------	--	------	----------------



107491	MAT9440001	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
107492	MAT9440005	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
107493	MAT9440006	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
107494	MAT9440007	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
107495	MAT9440008	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
107479	MAT9440009	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
107480	MAT9440010	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
107481	MAT9440011	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
107482	MAT9440012	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
107483	MAT9440013	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
102579	MAT9440014	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
102580	MAT9440015	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
102809	MAT9440016	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
102810	MAT9440017	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
102811	MAT9440018	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
90088	MAT9440019	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
90089	MAT9440020	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
90090	MAT9440021	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
90091	MAT9440022	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
90092	MAT9440023	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
89957	MAT9440024	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
89961	MAT9440025	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
89963	MAT9440026	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
89965	MAT9440027	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
89967	MAT9440028	(4 G 1,5+(2x1)C)C	12,5	7,5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor



- Minimum bending radius for use in Energy Chains®:
7,5 x cable diameter
- Colour: orange (similar to RAL 2003)

Chainflex® PUR servo cable, oil-resistant

Danaher Motion Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
-------------------------	----------------	---	------	----------------

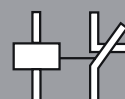


89968	MAT9440029	(4 G 2,5+(2x1)C)C	13,5	7,5 x d
89970	MAT9440030	(4 G 2,5+(2x1)C)C	13,5	7,5 x d
89971	MAT9440031	(4 G 2,5+(2x1)C)C	13,5	7,5 x d
89972	MAT9440032	(4 G 2,5+(2x1)C)C	13,5	7,5 x d
89969	MAT9440033	(4 G 2,5+(2x1)C)C	13,5	7,5 x d
200462	MAT9440034	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
200463	MAT9440035	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
200464	MAT9440036	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
200465	MAT9440037	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
200466	MAT9440038	(4 G 1,5+(2x1)C)C	12,5	7,5 x d
200474	MAT9440039	(4 G 2,5+(2x1)C)C	13,5	7,5 x d
200475	MAT9440040	(4 G 2,5+(2x1)C)C	13,5	7,5 x d
200476	MAT9440041	(4 G 2,5+(2x1)C)C	13,5	7,5 x d
200477	MAT9440042	(4 G 2,5+(2x1)C)C	13,5	7,5 x d
200478	MAT9440043	(4 G 2,5+(2x1)C)C	13,5	7,5 x d
200623	MAT9440044	(4 G 4,0+(2x1)C)C	16,0	7,5 x d
200624	MAT9440045	(4 G 4,0+(2x1)C)C	16,0	7,5 x d
200625	MAT9440046	(4 G 4,0+(2x1)C)C	16,0	7,5 x d
200626	MAT9440047	(4 G 4,0+(2x1)C)C	16,0	7,5 x d
200627	MAT9440048	(4 G 4,0+(2x1)C)C	16,0	7,5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...
... and order online ► www.igus.eu/en/CFDanaher (for up to 10 cuts of the same type)

Chainflex® power cable

harnessed according to Danaher Motion standard

Technical information

- Oil-resistant
- Shielded
- Flame-retardant
- **T/R (moved):** -5 °C to + 70°C
- **Total shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- **Minimum bending radius for use in Energy Chains®:** 7,5 x cable diameter

Chainflex® PVC power cable, oil-resistant

Danaher Motion Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
-------------------------	----------------	---	------	----------------



107485	MAT9340002	(4 G 1,5)C	10,5	7,5 x d
107486	MAT9340049	(4 G 1,5)C	10,5	7,5 x d
107487	MAT9340050	(4 G 1,5)C	10,5	7,5 x d
107488	MAT9340051	(4 G 1,5)C	10,5	7,5 x d
107489	MAT9340052	(4 G 1,5)C	10,5	7,5 x d
107473	MAT9340053	(4 G 1,5)C	10,5	7,5 x d
107474	MAT9340054	(4 G 1,5)C	10,5	7,5 x d
107475	MAT9340055	(4 G 1,5)C	10,5	7,5 x d
107476	MAT9340056	(4 G 1,5)C	10,5	7,5 x d
107477	MAT9340057	(4 G 1,5)C	10,5	7,5 x d
102575	MAT9340058	(4 G 1,5)C	10,5	7,5 x d
102576	MAT9340059	(4 G 1,5)C	10,5	7,5 x d
102806	MAT9340060	(4 G 1,5)C	10,5	7,5 x d
102807	MAT9340061	(4 G 1,5)C	10,5	7,5 x d
102808	MAT9340062	(4 G 1,5)C	10,5	7,5 x d
90083	MAT9340063	(4 G 1,5)C	10,5	7,5 x d
90084	MAT9340064	(4 G 1,5)C	10,5	7,5 x d
90085	MAT9340065	(4 G 1,5)C	10,5	7,5 x d
90086	MAT9340066	(4 G 1,5)C	10,5	7,5 x d
90087	MAT9340067	(4 G 1,5)C	10,5	7,5 x d
89918	MAT9340068	(4 G 1,5)C	10,5	7,5 x d
89952	MAT9340069	(4 G 1,5)C	10,5	7,5 x d
89953	MAT9340070	(4 G 1,5)C	10,5	7,5 x d
89954	MAT9340071	(4 G 1,5)C	10,5	7,5 x d
89956	MAT9340072	(4 G 1,5)C	10,5	7,5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor





- Nominal voltage: 600/1000 V
- Colour: black (similar to RAL 9005)

Chainflex® PVC power cable, oil-resistant

Danaher Motion Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
-------------------------	----------------	---	------	----------------

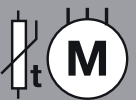
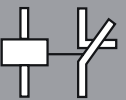


89959	MAT9340004	(4 G 2,5)C	12,5	7,5 x d
89960	MAT9340073	(4 G 2,5)C	12,5	7,5 x d
89962	MAT9340074	(4 G 2,5)C	12,5	7,5 x d
89964	MAT9340075	(4 G 2,5)C	12,5	7,5 x d
89966	MAT9340076	(4 G 2,5)C	12,5	7,5 x d
200456	MAT9340077	(4 G 1,5)C	10,5	7,5 x d
200457	MAT9340078	(4 G 1,5)C	10,5	7,5 x d
200458	MAT9340079	(4 G 1,5)C	10,5	7,5 x d
200459	MAT9340080	(4 G 1,5)C	10,5	7,5 x d
200460	MAT9340081	(4 G 1,5)C	10,5	7,5 x d
200468	MAT9340082	(4 G 2,5)C	12,5	7,5 x d
200469	MAT9340083	(4 G 2,5)C	12,5	7,5 x d
200470	MAT9340084	(4 G 2,5)C	12,5	7,5 x d
200471	MAT9340085	(4 G 2,5)C	12,5	7,5 x d
200472	MAT9340086	(4 G 2,5)C	12,5	7,5 x d
200618	MAT9340087	(4 G 4,0)C	14,0	7,5 x d
200619	MAT9340088	(4 G 4,0)C	14,0	7,5 x d
200620	MAT9340089	(4 G 4,0)C	14,0	7,5 x d
200621	MAT9340090	(4 G 4,0)C	14,0	7,5 x d
200622	MAT9340091	(4 G 4,0)C	14,0	7,5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
 G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...
 ... and order online ► www.igus.eu/en/CFDanaher (for up to 10 cuts of the same type)

Chainflex[®] power cable

harnessed according to Danaher Motion standard

Technical information

- Oil-resistant
- Shielded
- Hydrolysis-resistant and microbe-resistant
- Flame-retardant
- **T/R (moved):** -35 °C to + 90°C
- **Nominal voltage:** 600/1000 V
- **Total shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical

Chainflex[®] TPE power cable, oil-resistant

Danaher Motion Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
-------------------------	----------------------------	--	------	----------------



107485	MAT9440002	(4 G 1,5)C	9,5	7,5 x d
107486	MAT9440049	(4 G 1,5)C	9,5	7,5 x d
107487	MAT9440050	(4 G 1,5)C	9,5	7,5 x d
107488	MAT9440051	(4 G 1,5)C	9,5	7,5 x d
107489	MAT9440052	(4 G 1,5)C	9,5	7,5 x d
107473	MAT9440053	(4 G 1,5)C	9,5	7,5 x d
107474	MAT9440054	(4 G 1,5)C	9,5	7,5 x d
107475	MAT9440055	(4 G 1,5)C	9,5	7,5 x d
107476	MAT9440056	(4 G 1,5)C	9,5	7,5 x d
107477	MAT9440057	(4 G 1,5)C	9,5	7,5 x d
102575	MAT9440058	(4 G 1,5)C	9,5	7,5 x d
102576	MAT9440059	(4 G 1,5)C	9,5	7,5 x d
102806	MAT9440060	(4 G 1,5)C	9,5	7,5 x d
102807	MAT9440061	(4 G 1,5)C	9,5	7,5 x d
102808	MAT9440062	(4 G 1,5)C	9,5	7,5 x d
90083	MAT9440063	(4 G 1,5)C	9,5	7,5 x d
90084	MAT9440064	(4 G 1,5)C	9,5	7,5 x d
90085	MAT9440065	(4 G 1,5)C	9,5	7,5 x d
90086	MAT9440066	(4 G 1,5)C	9,5	7,5 x d
90087	MAT9440067	(4 G 1,5)C	9,5	7,5 x d
89918	MAT9440068	(4 G 1,5)C	9,5	7,5 x d
89952	MAT9440069	(4 G 1,5)C	9,5	7,5 x d
89953	MAT9440070	(4 G 1,5)C	9,5	7,5 x d
89954	MAT9440071	(4 G 1,5)C	9,5	7,5 x d
89956	MAT9440072	(4 G 1,5)C	9,5	7,5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor



- Minimum bending radius for use in Energy Chains®:
7,5 x cable diameter
- Colour: black (similar to RAL 9005)

Chainflex® TPE power cable, oil-resistant

Danaher Motion Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
-------------------------	----------------	---	------	----------------

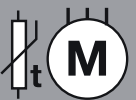
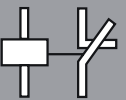


89959	MAT9440004	(4 G 2,5)C	11,0	7,5 x d
89960	MAT9440073	(4 G 2,5)C	11,0	7,5 x d
89962	MAT9440074	(4 G 2,5)C	11,0	7,5 x d
89964	MAT9440075	(4 G 2,5)C	11,0	7,5 x d
89966	MAT9440076	(4 G 2,5)C	11,0	7,5 x d
200456	MAT9440077	(4 G 1,5)C	9,5	7,5 x d
200457	MAT9440078	(4 G 1,5)C	9,5	7,5 x d
200458	MAT9440079	(4 G 1,5)C	9,5	7,5 x d
200459	MAT9440080	(4 G 1,5)C	9,5	7,5 x d
200460	MAT9440081	(4 G 1,5)C	9,5	7,5 x d
200468	MAT9440082	(4 G 2,5)C	11,0	7,5 x d
200469	MAT9440083	(4 G 2,5)C	11,0	7,5 x d
200470	MAT9440084	(4 G 2,5)C	11,0	7,5 x d
200471	MAT9440085	(4 G 2,5)C	11,0	7,5 x d
200472	MAT9440086	(4 G 2,5)C	11,0	7,5 x d
200618	MAT9440087	(4 G 4,0)C	14,0	7,5 x d
200619	MAT9440088	(4 G 4,0)C	14,0	7,5 x d
200620	MAT9440089	(4 G 4,0)C	14,0	7,5 x d
200621	MAT9440090	(4 G 4,0)C	14,0	7,5 x d
200622	MAT9440091	(4 G 4,0)C	14,0	7,5 x d

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFDanaher (for up to 10 cuts of the same type)

Chainflex[®] servo cable

harnessed according to B&R standard



Technical information

- Oil-resistant
- Shielded
- Flame-retardant
- **T/R (moved):** -5 °C to + 70°C
- **Nominal voltage:** 600/1000 V
- **Total shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- **Minimum bending radius for use in Energy Chains[®]:** 7,5 x cable diameter
- Colour: green (similar to RAL 6005)

Chainflex[®] PVC servo cable, oil-resistant

B&R Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
--------------	----------------------------	--	------	----------------



i8CMxxx.12-1	MAT9610001	(4 G 1,5+2x(2x0,75)C)C	14,5	7,5 x d
i8CMxxx.12-3	MAT9610002	(4 G 4,0+2x(2x1,5)C)C	18,5	7,5 x d



i8CMxxx.12-5	MAT9610003	(4 G 10,0+2x(2x1,5)C)C	24,0	7,5 x d
--------------	------------	------------------------	------	---------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with earthed conductor green-yellow **x** = without earthed conductor

Chainflex[®] servo cable

harnessed according to B&R standard



Servo
PUR

Technical information

- Oil-resistant and coolant-resistant
- Shielded
- Notch-resistant, hydrolysis-resistant and microbe-resistant
- Flame-retardant
- **T/R (moved):** -20 °C to + 80°C
- **Nominal voltage:** 600/1000 V
- **Total shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- **Minimum bending radius for use in Energy Chains[®]:** 7,5 x cable diameter
- Colour: orange (similar to RAL 2003)

Chainflex[®] PUR servo cable, oil-resistant

B&R Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
--------------	----------------------------	--	------	----------------



i8CMxxx.12-1	MAT9600001	(4 G 1,5+2x(2x0,75)C)C	14,5	7,5 x d
i8CMxxx.12-3	MAT9600002	(4 G 4,0+2x(2x1,5)C)C	18,0	7,5 x d



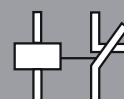
i8CMxxx.12-5	MAT9600003	(4 G 10,0+2x(2x1,5)C)C	23,5	7,5 x d
--------------	------------	------------------------	------	---------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor

Chainflex[®] Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...
... and order online ► www.igus.eu/en/CFBR (for up to 10 cuts of the same type)

Chainflex[®] resolver cable

harnessed according to B&R standard



Technical information

- Oil-resistant
- Shielded
- Flame-retardant
- **T/R (moved):** -5 °C to + 70°C
- **Nominal voltage:** 300/300 V
- **Total shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- **Minimum bending radius for use in Energy Chains[®]:** 10 x cable diameter
- Colour: gray (similar to RAL 7001)

Chainflex[®] PVC signal/encoder cable, oil-resistant

B&R Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	∅ mm	Bending radius
--------------	----------------------------	--	------	----------------



i8CRxxx.12-1	MAT9640001	(3 x (2 x 0,25))C	7,0	10 x d
--------------	------------	-------------------	-----	--------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor

Chainflex[®] resolver cable harnessed according to B&R standard



Resolver
TPE

Technical information

- Oil-resistant
- Shielded
- **T/R (moved):** -35 °C to + 100°C
- **Total shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- **Nominal voltage:** 300/300 V
- **Minimum bending radius for use in Energy Chains[®]:** 10 x cable diameter
- **Colour:** dark-blue (similar to RAL 5011)

Chainflex[®] TPE signal/encoder cable, oil-resistant

B&R Part No.	igus [®] Part No.	Number of cores and conductor nominal cross section [mm ²]	ø mm	Bending radius
--------------	----------------------------	--	------	----------------



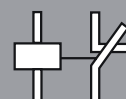
i8CRxxx.12-1	MAT9630001	(3 x (2 x 0,25))C	8,0	10 x d
--------------	------------	-------------------	-----	--------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor

Chainflex[®] Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



Clean-Room

RoHS

850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CFBR

(for up to 10 cuts of the same type)

Chainflex® EnDat cable

harnessed according to B&R standard



Technical information

- Oil-resistant
- Shielded
- Flame-retardant
- **T/R (moved):** -5 °C to + 70°C
- **Nominal voltage:** 30 V
- **Total shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- **Minimum bending radius for use in Energy Chains®:** 10 x cable diameter
- Colour: gray (similar to RAL 7001)

Chainflex® PVC signal/encoder cable, oil-resistant

B&R Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
--------------	----------------	---	------	----------------



i8CExx.12-1	MAT9670001	(5x(2x0,14)+2x0,5)C	9,0	10 x d
-------------	------------	---------------------	-----	--------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® EnDat cable

harnessed according to B&R standard



EnDat
TPE

Technical information

- Oil-resistant
- Shielded
- **T/R (moved):** -35 °C to + 100°C
- **Total shield:** extremely readily bending/solid copper shield, coverage approx. 70% linear, approx. 90% optical
- **Nominal voltage:** 30 V
- **Minimum bending radius for use in Energy Chains®:** 10 x cable diameter
- **Colour:** green (similar to RAL 6018)

Chainflex® TPE signal/encoder cable, oil-resistant

B&R Part No.	igus® Part No.	Number of cores and conductor nominal cross section [mm²]	ø mm	Bending radius
--------------	----------------	---	------	----------------



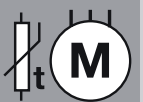
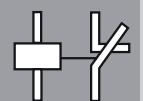
i8CExxx.12-1	MAT9660001	(5x(2x0,14)+2x0,5)C	9,5	10 x d
--------------	------------	---------------------	-----	--------

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor

Chainflex® Systems
for Drive Technology

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222



850 types from stock no cutting costs ...
... and order online ► www.igus.eu/en/CFBR (for up to 10 cuts of the same type)