igus.eu/...chainflex.cables/...6.2009...plastics.for.longer.life...

chainflex®

lasts.

Starting at 1 m length.

No minimum order.

No cutting costs.

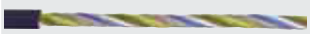
With warranty.

Will ship within 24 hours.

Chainflex® cable	Requirements	Travel distance	Resistance to oil
CF210.UL	4	1	2
CF270.UL.D	4	1	3
CF260	4	1	3
CF111/CF111.D	4	1	4
CF130.UL	4	2	1
CF140.UL	4	2	1
CF240	4	2	2
CF77.UL.D	5	2	3
CF78.UL	5	2	3
CF5	5	3	2
CF6	5	3	2
CF211	5	3	2
CF21.UL	5	3	2
CF30	5	3	2
CF31	5	3	2
CFLK	5	1	3
CF2	6	3	3
CF112	6	3	3
CF113/CF113.D	6	3	3
CFLG.2H	6	3	3
CF27.D	6	3	3
CF14.CAT5	6	3	4
CFCRANE	6	4	3
CF9.UL	6	4	4
CF10.UL	6	4	4
CF11/CF11.D	6	4	4
CF12	6	4	4
CF11.LC./LC.D	6	4	4
CFBUS	6	4	4
CFKOAX	6	4	4
CF34.UL.D	6	4	4
CF35.UL	6	4	4
CF300.UL.D	6	4	4
CFPE	6	4	4
CF310.UL	6	4	4
CFLG.2LB	7	3	4
CF9	7	4	4
CF10	7	4	4
CF98	7	4	4
CF99	7	4	4
CFLG.G	7	4	4
CF37.D	7	4	4
CF38	7	4	4
CF330.D	7	4	4
CF340	7	4	4

Your way through the Chainflex® catalogue

Chainflex® types

	Chainflex® cable	Jacket	Shield	Minimum bending radius, moved [factor x d]	Temperature, moved from/to [°C]	Minimum bending radius, fixed [factor x d]	Temperature, fixed from/to [°C]	Price index
Control cables								
	CF130.UL	PVC		7,5-10	-5/ +70	5	-20/ +70	●◐○
	CF140.UL	PVC	✔	7,5-15	-5/ +70	5	-20/ +70	●◐○
	CF5	PVC		6,8-7,5	-5/ +70	4	-20/ +70	●●○
	CF6	PVC	✔	6,8-7,5	-5/ +70	4	-20/ +70	●●○
	CF77.UL.D	PUR		6,8-7,5	-35/ +80	4	-40/ +80	●◐○
	CF78.UL	PUR	✔	6,8-7,5	-35/ +80	4	-40/ +80	●◐○
	CF2	PUR	✔	5	-20/ +80	4	-40/ +80	●●○
	CF9	TPE		5	-35/ +100	3	-40/ +100	●●◐
	CF10	TPE	✔	5	-35/ +100	3	-40/ +100	●●◐
	CF9.UL	TPE		5	-35/ +100	3	-40/ +100	●●◐
	CF10.UL	TPE	✔	5	-35/ +100	3	-40/ +100	●●◐
	CF98	TPE		4	-35/ +90	3	-40/ +90	●●◐
	CF99	TPE	✔	4	-35/ +90	3	-40/ +90	●●◐

These values are based on concrete applications or tests. These values do not represent the limit of what is technically feasible.

Get online and use all the advantages of www.igus.eu

Download the eplan-library for any type of cables
► www.igus.eu/eplan-download

Chainflex® types

Approvals and standards	Flame-retardant	Oil-resistant	Halogen-free	UV-resistant	Torsion resistant	v max. unsupported [m/s]	v max. gliding [m/s]	a max. [m/s²]	Number of cores	Cross section Ø [mm²]	Page
											52
	✔				✔	3	2	20	2 - 25	0,25 - 6,0	54
	✔					3	2	20	3 - 36	0,25 - 2,5	58
	✔	✔		✔	✔	10	5	80	2 - 42	0,25 - 2,5	62
	✔	✔		✔		10	5	80	3 - 25	0,25 - 2,5	66
	✔	✔	✔	✔	✔	10	5	80	2 - 30	0,50 - 4,0	70
	✔	✔	✔	✔		10	5	80	3 - 24	0,50 - 4,0	72
	✔	✔		✔		10	5	80	3 - 48	0,14 - 1,5	74
		✔	✔	✔	✔	10	6	100	2 - 36	0,25 - 35,0	78
		✔	✔	✔		10	6	100	2 - 25	0,14 - 4,0	82
	✔	✔		✔	✔	10	6	100	2 - 36	0,25 - 6,0	86
	✔	✔		✔		10	6	100	2 - 25	0,25 - 4,0	90
		✔	✔	✔	✔	10	6	100	2 - 8	0,14 - 0,5	94
		✔	✔	✔		10	6	100	2 - 8	0,14 - 0,34	96

Chainflex® types mentioned in the catalogue as “resistant to bio oil“ have been tested by DEA following VDMA 24568 with Plantocut 8 S-MB.

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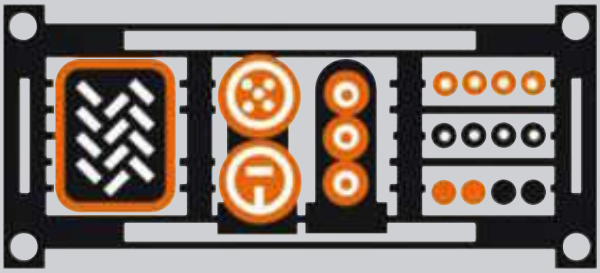
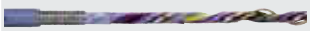
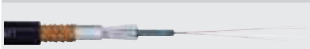


Chainflex® types

	Chainflex® Cable	Jacket	Shield	Minimum bending radius. moved [factor x d]	Temperature, moved from/to [°C]	Minimum bending radius, fixed [factor x d]	Temperature, fixed from/to [°C]	Price index
Data cables								
	CF240	PVC	✔	10-12	-5/ +70	5	-20/ +70	
	CF211	PVC	✔	10	-5/ +70	5	-20/ +70	
	CF112	PUR	✔	10	-35/ +80	5	-40/ +80	
	CF113	PUR	✔	10	-35/ +80	5	-40/ +80	
	CF111	TPE	✔	10	-35/ +100	6	-40/ +100	
	CF11	TPE	✔	10	-35/ +100	5	-40/ +100	
	CF12	TPE	✔	10	-35/ +100	5	-40/ +100	
Bus cables (with selection chart for Chainflex® bus cables)								
	CF BUS	TPE	✔	10-12,5	-35/ +70	5	-40/ +70	
	CF11.LC	TPE	✔	10	-35/ +70	5	-40/ +70	
	CF11.LC.D	TPE	✔	10	-35/ +70	5	-40/ +70	
	CF14 CAT5	TPE	✔	12,5	-35/ +70	7,5	-40/ +70	
Measuring system cables								
	CF211	PVC	✔	10	-5/ +70	5	-20/ +70	
	CF113.D	PUR	✔	10	-20/ +80	5	-40/ +80	
	CF111.D	TPE	✔	12	-35/ +100	6	-40/ +100	
	CF11.D	TPE	✔	10	-35/ +100	5	-40/ +100	
Koax cables								
	CF Koax 1	TPE		10	-35/ +100	7,5	-40/ +100	
Fibre optic cable (FOC)								
	CFLG.2H	PUR		12,5	-20/ +60	7,5	-25/ +60	
	CFLK	PUR		12,5	-20/ +70	7,5	-25/ +70	
	CFLG.2LB	TPE		5	-20/ +60	5	-25/ +70	
	CFLG. G	TPE		15	-40/ +60	8,5	-40/ +60	

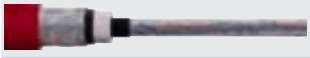
These values are based on concrete applications or tests. These values do not represent the limit of what is technically feasible.

Chainflex® types

Approvals and standards	Flame-retardant	Oil-resistant	Halogen-free	UV-resistant	Torsion resistant	v max. unsupported [m/s]	v max. gliding [m/s]	a max. [m/s²]	Number of cores	Cross section Ø [mm²]	Page
											98
	✔	✔				3	2	20	3 - 24	0,14 - 0,34	100
	✔	✔				5	3	50	2 - 28	0,25 - 0,5	102
	✔	✔	✔	✔		5	3	50	4 - 12	0,25 - 0,5	104
	✔	✔	✔	✔		5	3	50	4 - 12	0,25 - 0,5	106
	✔	✔		✔		2		30	2 - 28	0,25 - 0,5	108
		✔	✔	✔		10	6	100	4 - 36	0,14 - 2,5	112
		✔	✔	✔		10	6	100	4 - 28	0,25 - 1,0	114
											116
	✔	✔		✔		10	6	100	2 - 10	0,08 - 1,5	118
		✔	✔	✔		10	6	100	2 - 9	0,25 - 1,0	122
		✔	✔	✔		10	6	100	2 - 6	0,25 - 1,5	124
		✔	✔	✔		10	6	100	4 - 10	0,25	126
	✔	✔				5	3	50	6 - 16	0,14 -1,0	128
	✔	✔	✔	✔		5	3	50	4 - 17	0,14 -1,0	132
	✔	✔		✔		2		30	6 - 16	0,14 - 0,5	136
		✔	✔	✔		10	6	100	4 - 17	0,14 - 1,0	140
		✔		✔		10	5	100	1 - 5		144
											146
		✔		✔		10	6	20	2	50 + 62,5/125, 200/230 µm	150
		✔	✔	✔		10	5	20	1	980/1000 µm	152
		✔		✔		10	6	20	2	50 + 62,5/125	154
		✔	✔	✔		10	6	20	6 - 12	50 + 62,5/125 µm	156

Chainflex® types mentioned in the catalogue as “resistant to bio oil“ have been tested by DEA following VDMA 24568 with Plantocut 8 S-MB.

Chainflex® types

	Chainflex® Cable	Jacket	Shield	Minimum bending radius, moved [factor x d]	Temperature, moved from/to [°C]	Minimum bending radius, fixed [factor x d]	Temperature, fixed from/to [°C]	Price index
Servo cables								
	CF210.UL	PVC	✔	10	-5/ +70	5	-20/ +70	●○○
	CF21.UL	PVC	✔	7,5	-5/ +70	4	-20/ +70	●○○
	CF260	PUR	✔	10	-20/ +80	5	-40/ +80	●○○
	CF270.UL.D	PUR	✔	10	-20/ +80	5	-40/ +80	●○○
	CF27.D	PUR	✔	7,5	-20/ +80	4	-40/ +80	●◐○
Power cables								
	CF30	PVC		7,5	-5/ +70	4	-20/ +70	●○○
	CF31	PVC	✔	7,5	-5/ +70	4	-20/ +70	●○○
	CF34.UL.D	TPE		7,5	-35/ +90	4	-40/ +90	●●◐
	CF35.UL	TPE	✔	7,5	-35/ +90	4	-40/ +90	●●◐
	CF37.D	TPE		7,5	-35/ +90	4	-40/ +90	●●◐
	CF38	TPE	✔	7,5	-35/ +90	4	-40/ +90	●●◐
	CF300.UL.D	TPE		7,5	-35/ +90	4	-40/ +90	●●○
	CFPE	TPE		7,5	-35/ +90	4	-40/ +90	●●○
	CF310.UL	TPE	✔	7,5	-35/ +90	4	-40/ +90	●●○
	CF330.D	TPE		7,5	-35/ +90	4	-40/ +90	●●○
	CF340	TPE	✔	7,5	-35/ +90	4	-40/ +90	●●○
	CF BRAID	TPE		7,5	-35/ +70	4	-40/ +70	●●○
	CF BRAID.C	TPE	✔	7,5	-35/ +70	4	-40/ +70	●●○
	CF CRANE	igupren	✔	10	-20/ +80	7,5	-30/ +80	●●●

These values are based on concrete applications or tests. These values do not represent the limit of what is technically feasible.
Chainflex® types mentioned in the catalogue as “resistant to bio oil“ have been tested by DEA following VDMA 24568 with Plantocut 8 S-MB.

Chainflex® types

Approvals and standards	Flame-retardant	Oil-resistant	Halogen-free	UV-resistant	Torsion resistant	v max. unsupported [m/s]	v max. gliding [m/s]	a max. [m/s²]	Number of cores	Cross section Ø [mm²]	Page
											158
	✔	✔		✔		10		80	4 - 8	0.75 - 35 / Pairs 0.34 - 1.5	160
	✔	✔		✔		10	5	80	6 - 8	0.75 - 35 / Pairs 0.34 - 1.5	162
		✔	✔	✔		10		50	4 - 8	0.75 - 50 / Pairs 0.34 - 1.5	166
	✔	✔	✔	✔		10		50	4 - 8	0.75 - 35 / Pairs 0.34 - 1.5	170
	✔	✔	✔	✔		10	5	80	4 - 8	0.75 - 35 / Pairs 0.34 - 1.5	174
											178
	✔	✔		✔	✔	10	5	80	4 - 5	1,5 - 50	180
	✔	✔		✔		10	5	80	4 - 5	1,5 - 70	182
	✔	✔		✔	✔	10	6	80	3 - 5	1,5 - 50	184
	✔	✔		✔		10	6	80	3 - 4	0,5 - 50	186
		✔	✔	✔	✔	10	6	80	3 - 5	1,5 - 50	188
		✔	✔	✔		10	6	80	3 - 4	0,5 - 50	190
	✔	✔		✔		10	6	100	1	6 - 185	192
	✔	✔		✔		10	6	100	1	1,5 - 35	194
	✔	✔		✔		10	6	100	1	4 - 185	196
		✔	✔	✔		10	6	100	1	6 - 185	198
		✔	✔	✔		10	6	100	1	4 - 185	200
	✔	✔		✔		10	6	80	8	2,5	202
	✔	✔		✔		10	6	80	8	2,5	202
	✔	✔		✔		10	6	50	1	25 - 95	204

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Chainflex® types

	Chainflex® Cable	Jacket	Shield	Minimum bending radius, moved [factor x d]	Temperature, moved from/to [°C]	Minimum bending radius, fixed [factor x d]	Temperature, fixed from/to [°C]	Price index
Pneumatic hose								
	CF AIR	PU		10	-25/ +80	8	-40/ +85	●○○
	CF Clean AIR	PE		10	-25/ +60	8	-30/ +65	●○○
Tordierbare Leitungen								
	CF ROBOT9	PUR		10	-25/ +80	4	-40/ +80	●●○
	CF ROBOT8	PUR	✔	10	-20/ +70	7,5	-25/ +70	●●◐
	CF ROBOT6	PUR		10	-25/ +80	4	-40/ +80	●●◐
	CF ROBOT7	PUR	✔	10	-25/ +80	4	-40/ +80	●●◐
	CF ROBOT5	TPE		12,5	-20/ +60	7,5	-25/ +60	●●○
	CF ROBOT	TPE	✔	10	-35/ +100	4	-40/ +100	●●◐

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Chainflex® types

Approvals and standards	Flame-retardant	Oil-resistant	Halogen-free	UV-resistant	Torsion resistant	v max. unsupported [m/s]	v max. gliding [m/s]	a max. [m/s²]	Number of cores	Cross section Ø [mm²]	Page
RoHS		✔	✔			10	6	50			206
RoHS Clean Room		✔	✔			10	6	50			208
											210
CE RoHS Clean Room	✔	✔		✔	✔	10		10	2 - 18	0,5 - 2,5	214
CE RoHS Clean Room	✔	✔		✔	✔	10		10	2 - 4	0,15 - 0,25	216
CE RoHS Clean Room	✔	✔		✔	✔	10		10	3 - 4	1,5 - 35	218
CE RoHS Clean Room	✔	✔		✔	✔	10		10	3 - 4	1,5 - 35	218
CE RoHS Clean Room		✔		✔	✔	10		10	2	50 + 62,5/125 µm	220
CE RoHS Clean Room EAC cULus		✔			✔	10		10	1	10 - 50	222

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Chainflex® ReadyCable®

Chainflex® ReadyCable®

Chainflex® ReadyCable®

Plug configuration "Quick Pin" ► www.igus.eu/quickpin

Chainflex® ReadyCable®

Plug configuration "Quick Pin" ► www.igus.eu/quickpin

Chainflex® accessory