

... harnessed cables for drive technology ... chainflex® readycable® ▶▶

Selection chart for igus® chainflex® cables (you can find the green number on

	1	2	3	4	5	6	7
chainflex® series	CF31	CF35.UL	CF38	CF210.UL	CF21.UL	CF270.UL.D	CF27.D
Class	5.5.2.1	6.6.4.1	7.6.4.1	4.2.2.1	5.5.2.1	4.2.3.1	6.5.3.1
Outer jacket	PVC	TPE	TPE	PVC	PVC	PUR	PUR
Shielded	✓	✓	✓	✓	✓	✓	✓
Minimum bend radius [x d]	7.5 x d	7.5 x d	7.5 x d	10 x d	7.5 x d	10 x d	7.5 x d
Travel distance [m]	≤ 100	≤ 400	≤ 400	≤ 10	≤ 100	≤ 10	≤ 100
Oil-resistant	✓	✓	✓	✓	✓	✓	✓
Oil-/coolant-resistant						✓	✓
Flame-retardant	✓	✓		✓	✓	✓	✓
Halogen-free			✓			✓	✓
Notch-resistant						✓	✓
Hydrolysis-/microbe-resistant		✓	✓			✓	✓
Temperature, from/to [°C]	-5/+70	-35/+90	-35/+90	+5/+70	+5/+70	-25/+80	-25/+80
Nominal voltage [V]	600/1000	600/1000	600/1000	600/1000	600/1000	600/1000	600/1000
Colour	Jet black	Signal black	Jet black	Pastel orange	Moss green	Pastel orange	Pastel orange
CE/CEI							
RoHS							
CleanRoom							
EAC/CTP							
UL/CSA + NFPA							
Desina							
More Information							
▶ Catalogue page	296	316	322	252	260	266	274
www.igus.eu/	CF31	CF35UL	CF38	CF210UL	CF21UL	CF270ULD	CF27D

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the product pages of the respective manufacturers)

	8	9	10	11	12	13	14	15	16
chainflex® series	CF211 Mess	CF111.D	CF113.D	CF11.D	CFBUS	CF240.PUR	CF211	CF113	CF11
Class	4.2.2.1	4.2.3.1	6.5.3.1	6.6.4.1	6.6.4.1	4.4.3.1	5.5.2.1	6.5.3	6.6.4.1
Outer jacket	PVC	PUR	PUR	TPE	TPE	PUR	PVC	PUR	TPE
Shielded	✓	✓	✓	✓	✓	✓	✓	✓	✓
Minimum bend radius [x d]	10 x d	10 x d	7.5 x d	7.5 x d	10 - 12.5 x d	10 x d	7.5 x d	10 x d	6.8 x d
Travel distance [m]	≤ 10	≤ 10	≤ 100	≤ 400	≤ 400	≤ 50	≤ 100	≤ 100	≤ 400
Oil-resistant	✓	✓	✓	✓	✓	✓	✓	✓	✓
Oil-/coolant-resistant		✓	✓			✓		✓	
Flame-retardant	✓	✓	✓		✓	✓	✓	✓	
Halogen-free		✓	✓	✓		✓		✓	✓
Notch-resistant		✓	✓			✓		✓	
Hydrolysis-/microbe-resistant		✓	✓	✓	✓	✓		✓	✓
Temperature, from/to [°C]	+5/+70	-25/+80	-25/+80	-35/+90	-35/+70	-25/+80	+5/+70	-25/+80	-35/+100
Nominal voltage [V]	50	50	50	50	50	300/300	300/300	300/300	300/300
Colour	Yellow green	Yellow green	Yellow green	Yellow green	Red lilac	Silver grey	Silver grey	Anthracite grey	Steel blue
CE/CEI									
RoHS									
CleanRoom									
EAC/CTP									
UL/CSA + NFPA									
Desina									
More Information									
▶ Catalogue page	216	226	232	238	174	120	124	-	132
www.igus.eu/	CF211M	CF111D	CF113D	CF11D	CFBUS	CF240PUR	CF211	CF113	CF11

chainflex® readycable®

Selection chart for igus® chainflex® cables (you can find the green number on

	17	18	19	20	21	22	23
chainflex® series	CF130.UL	CF140.UL	CF5	CF6	CF77.UL.D	CF78.UL	CF9
Class	4.4.1.1	4.4.1.1	5.5.2.1	5.5.2.1	5.5.3.1	5.5.3.1	7.6.4.2
Outer jacket	PVC	PVC	PVC	PVC	PUR	PUR	TPE
Shielded		✓		✓		✓	
Minimum bend radius [x d]	7.5 x d	7.5 x d	6.8 x d	6.8 x d	6.8 x d	6.8 x d	5 x d
Travel distance [m]	≤ 50	≤ 50	≤ 50	≤ 50	≤ 100	≤ 100	> 400
Oil-resistant			✓	✓	✓	✓	✓
Oil-/coolant-resistant					✓	✓	
Flame-retardant	✓	✓	✓	✓	✓	✓	
Halogen-free					✓	✓	✓
Notch-resistant					✓	✓	
Hydrolysis-/microbe-resistant					✓	✓	✓
Temperature, from/to [°C]	+5/+70	+5/+70	+5/+70	+5/+70	-25/+80	-25/+80	-35/+100
Nominal voltage [V]	300/500	300/500	300/500	300/500	300/500	300/500	300/500
Colour	Silver grey	Silver grey	Moss green	Moss green	Window grey	Window grey	Steel blue
CE/CEI							
RoHS							
CleanRoom							
EAC/CTP							
UL/CSA + NFPA							
Desina							
More Information							
► Catalogue page	50	54	58	62	78	82	90
www.igus.eu/	CF130	CF140	CF5	CF6	CF77	CF78	CF9

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	24	25	26	27	28	29	30	31	32
chainflex® series	CF10	CF9.UL	CF211.PUR	CF220.UL.H	CF280.UL.H	CFBUS.PVC	CFBUS.PUR	CF240	CF29.D
Class	7.6.4.1	6.6.4.2	5.5.3.1	4.2.2.1	4.2.3.1	4.3.2.1	4.3.3.1	4.4.2.1	7.6.4.1
Outer jacket	TPE	TPE	PUR	PVC	PUR	PVC	PUR	PVC	TPE
Shielded	✓		✓	✓	✓	✓	✓	✓	✓
Minimum bend radius [x d]	5 x d	5 x d	7.5 x d	10 x d	10 x d	12.5 x d	12.5 x d	10 x d	6.8 x d
Travel distance [m]	> 400	> 400	≤ 100	≤ 10	≤ 10	≤ 20	≤ 20	≤ 50	≤ 400
Oil-resistant	✓	✓	✓	✓	✓	✓	✓	✓	✓
Oil-/coolant-resistant			✓		✓		✓		✓
Flame-retardant		✓	✓	✓	✓	✓	✓	✓	
Halogen-free	✓				✓		✓		✓
Notch-resistant			✓		✓		✓		
Hydrolysis-/microbe-resistant	✓	✓	✓		✓		✓		✓
Temperature, from/to [°C]	-35/+100	-35/+100	-25/+80	+5/+70	-25/+80	+5/+70	-20/+70	-15/+70	-55/+100
Nominal voltage [V]	300/500	300/500	300/300	600/1000	600/1000	50	50	300/300	600/1000
Colour	Steel blue	Slate grey	Silver grey	Pastel orange	Pastel orange	Red lilac	Red lilac	Silver grey	Pastel orange
CE/CEI									
RoHS									
CleanRoom									
EAC/CTP									
UL/CSA + NFPA									
Desina									
More Information									
► Catalogue page	94	98	128	256	270	162	170	116	278
www.igus.eu/	CF10	CF9UL	CF211PUR	CF220ULH	CF280ULH	CFBUSPVC	CFBUSPUR	CF240	CF29.D

Harnessed drive cables | Jetter

PVC/PUR/TPE

* Technical information on the cable quality: ► page 498-501

Manufacturer Part No.	Cable quality	Part No.	Number of cores and conductor nominal cross section	Ø	Bend radius	chain-flex® cable
			[mm²]	[mm]	[x d]	

Jetter Motor cables

Basic cable



Kabel Nr. 201	PVC M.I.	MAT9761805	(4G4.0)C	13.5	7.5	01
	PUR O.I.	MAT9861806	(4G4.0)C	12.5	10	06
	PUR M.I.	MAT9851807	(4G4.0+(2x1.5)C)C	16.0	7.5	07
	TPE F	MAT9961808	(4G4.0)C	13.5	7.5	02
Kabel Nr. 203	PVC M.I.	MAT9761809	(4G4.0)C	13.5	7.5	01
	PUR O.I.	MAT9861810	(4G4.0)C	12.5	10	06
	PUR M.I.	MAT9851811	(4G4.0+(2x1.5)C)C	16.0	7.5	07
	TPE F	MAT9961812	(4G4.0)C	13.5	7.5	02
Kabel Nr. 26.1	PVC M.I.	MAT9761801	(4G1.5)C	10.5	7.5	01
	PUR O.I.	MAT9861802	(4G1.5)C	9.5	10	06
	PUR M.I.	MAT9861803	(4G1.5)C	10.5	7.5	07
	TPE F	MAT9961804	(4G1.5)C	10.0	7.5	02

Jetter Servo cables

Basic cable



Kabel Nr. 202	PVC M.I.	MAT9751806	(4G4.0+(2x1.5)C)C	16.0	7.5	05
	PUR O.I.	MAT9861807	(4G4.0+(2x1.5)C)C	15.0	10	06
	PUR M.I.	MAT9851808	(4G4.0+(2x1.5)C)C	16.0	7.5	07
Kabel Nr. 204	PVC M.I.	MAT9751810	(4G6.0+(2x1.5)C)C	18.0	7.5	05
	PUR O.I.	MAT9861811	(4G6.0+(2x1.5)C)C	16.5	10	06
	PUR M.I.	MAT9851812	(4G6.0+(2x1.5)C)C	18.0	7.5	07

Basic cable



Kabel Nr. 24.1	PVC M.I.	MAT9751802	(4G1.5+(2x1.5)C)C	13.0	7.5	05
	PUR O.I.	MAT9851803	(4G1.5+(2x1.5)C)C	12.0	10	06
	PUR M.I.	MAT9851804	(4G1.5+(2x1.5)C)C	13.0	7.5	07

Jetter Resolver cables

Basic cable



Kabel Nr. 23	PVC	MAT9741801	(3x(2x0.14)C+2x(0.5)C)C	9.5	10	08
	PUR M.I.	MAT9841802	(3x(2x0.14)C+(2x0.5)C)C	11.0	7.5	10
	TPE H*	MAT9941803	(3x(2x0.14)C+(2x0.5)C)C	10.5	7.5	11
Kabel Nr. 423	PVC	MAT9741804	(3x(2x0.14)C+2x(0.5)C)C	9.5	10	08
	PUR M.I.	MAT9841805	(3x(2x0.14)C+(2x0.5)C)C	11.0	7.5	10
	TPE H*	MAT9941806	(3x(2x0.14)C+(2x0.5)C)C	10.5	7.5	11

Note: The given outer diameters are maximum values and may tend toward lower tolerance limits. Example image igus® gladly pre-harnesses the cable according to your technical specifications.

G = with green-yellow earth core x = without earth core

* Cable qualities: M.I. = with inner jacket, O.I. = without inner jacket, F = flame-retardant, H = halogen-free, OIL = oil-resistant

Harnessed drive cables | Jetter

PVC/PUR/TPE

* Technical information on the cable quality: ► page 498-501

Manufacturer Part No.	Cable quality	Part No.	Number of cores and conductor nominal cross section	Ø	Bend radius	chain-flex® cable
			[mm²]	[mm]	[x d]	

Jetter Resolver cables

Basic cable



Kabel Nr. 523	PVC	MAT9741807	(5x(2x0.25))C	8.5	7.5	14
	PUR M.I.	MAT9841808	(5x(2x0.25))C	9.5	10	15
	TPE H*	MAT9941809	(5x(2x0.25))C	9.0	6.8	16
Kabel Nr. 723	PVC	MAT9741810	(5x(2x0.25))C	8.5	7.5	14
	PUR M.I.	MAT9841811	(5x(2x0.25))C	9.5	10	15
	TPE H*	MAT9941812	(5x(2x0.25))C	9.0	6.8	16