

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

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

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

the product pages of the respective manufacturers)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
chainflex® series	CF31	CF35.UL	CF38	CF210.UL	CF21.UL	CF270.UL.D	CF27.D	CF211 Mess	CF111.D	CF113.D	CF11.D	CFBUS	CF240.PUR	CF211	CF113	CF11
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	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	TPE	TPE	PVC	PVC	PUR	PUR	PVC	PUR	PUR	TPE	TPE	PUR	PVC	PUR	TPE
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	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]	≤ 100	≤ 400	≤ 400	≤ 10	≤ 100	≤ 10	≤ 100	≤ 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	-35/+90	-35/+90	+5/+70	+5/+70	-25/+80	-25/+80	+5/+70	-25/+80	-25/+80	-35/+90	-35/+70	-25/+80	+5/+70	-25/+80	-35/+100
Nominal voltage [V]	600/1000	600/1000	600/1000	600/1000	600/1000	600/1000	600/1000	50	50	50	50	50	300/300	300/300	300/300	300/300
Farbe	Jet black	Signal black	Jet black	Pastel orange	Moss green	Pastel orange	Pastel orange	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	296	316	322	252	260	266	274	216	226	232	238	174	120	124	-	132
www.igus.eu/	CF31	CF35UL	CF38	CF210UL	CF21UL	CF270ULD	CF27D	CF211M	CF111D	CF113D	CF11D	CFBUS	CF240PUR	CF211	CF113	CF11

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	17	18	19	20	21	22	23		24	25	26	27	28	29	30	31	32
chainflex® series	CF130.UL	CF140.UL	CF5	CF6	CF77.UL.D	CF78.UL	CF9		CF10	CF9.UL	CF211.PUR	CF220.UL.H	CF280.UL.H	CFBUS.PVC	CFBUS.PUR	CF240	CF29.D
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		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	PVC	PVC	PVC	PVC	PUR	PUR	TPE		TPE	TPE	PUR	PVC	PUR	PVC	PUR	PVC	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		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]	≤ 50	≤ 50	≤ 50	≤ 50	≤ 100	≤ 100	> 400		> 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]	+5/+70	+5/+70	+5/+70	+5/+70	-25/+80	-25/+80	-35/+100		-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	300/500	300/500	300/500	300/500	300/500		300/500	300/500	300/300	600/1000	600/1000	50	50	300/300	600/1000
Farbe	Silver grey	Silver grey	Moss green	Moss green	Window grey	Window grey	Steel blue		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	50	54	58	62	78	82	90		94	98	128	256	270	162	170	116	278
www.igus.eu/	CF130	CF140	CF5	CF6	CF77	CF78	CF9		CF10	CF9UL	CF211PUR	CF220ULH	CF280ULH	CFBUSPVC	CFBUSPUR	CF240	CF29.D

Harnessed drive cables | Siemens

PVC/PUR/TPE

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

Manufacturer Part No.	Cable quality	igus® Part No.	Number of cores and conductor nominal cross section	Ø Minimum bend radius	Cable page 498-501
			[mm²]	[mm] [x d]	

Siemens Signal cables

Extension cable



6FX_002-2DC34	PVC	MAT9741509	(2x(2x0.15)+(2x0.38))C	7.5	10	08
	PUR	MAT9841551	(2x(2x0.15)+(2x0.38))C	7.5	10	09
	PUR	MAT9841571	(2x(2x0.20)+(2x0.38))C	7.5	7.5	10

Extension cable



6FX_002-2EQ14	PVC	MAT9171017	(3x(2x0.14)C+(4x0.14)+(4x0.25)+(2x0.5))C	10.0	10	08
	PUR	MAT9841528	(3x(2x0.14)C+(4x0.14)+(4x0.25)+(2x0.5))C	11.0	7.5	10
	TPE	MAT9071017	(3x(2x0.14)C+(4x0.14)+(4x0.25)+(2x0.5))C	11.0	7.5	11

Siemens Signal cables DriveCliq

Basic cable



i6FX8002-2DC30-1AD0(3m)	PUR	MAT9841534	¹⁾ (2x(2x0.20)+(2x0.38))C	7.5	7.5	10
i6FX8002-2DC30-1AF0(5m)	PUR	MAT9841535	¹⁾ (2x(2x0.20)+(2x0.38))C	7.5	7.5	10
i6FX8002-2DC30-1BA0(10m)	PUR	MAT9841536	¹⁾ (2x(2x0.20)+(2x0.38))C	7.5	7.5	10
i6FX8002-2DC30-1BF0(15m)	PUR	MAT9841537	¹⁾ (2x(2x0.20)+(2x0.38))C	7.5	7.5	10
i6FX8002-2DC30-1CA0(20m)	PUR	MAT9841538	¹⁾ (2x(2x0.20)+(2x0.38))C	7.5	7.5	10
i6FX8002-2DC30-1CF0(25m)	PUR	MAT9841539	¹⁾ (2x(2x0.20)+(2x0.38))C	7.5	7.5	10
i6FX8002-2DC30-1DA0(30m)	PUR	MAT9841540	¹⁾ (2x(2x0.20)+(2x0.38))C	7.5	7.5	10

Extension cable



i6FX8002-2DC34-1AD0(3m)	PUR	MAT9841541	¹⁾ (2x(2x0.20)+(2x0.38))C	7.5	7.5	10
i6FX8002-2DC34-1AF0(5m)	PUR	MAT9841542	¹⁾ (2x(2x0.20)+(2x0.38))C	7.5	7.5	10
i6FX8002-2DC34-1BA0(10m)	PUR	MAT9841543	¹⁾ (2x(2x0.20)+(2x0.38))C	7.5	7.5	10
i6FX8002-2DC34-1BF0(15m)	PUR	MAT9841544	¹⁾ (2x(2x0.20)+(2x0.38))C	7.5	7.5	10
i6FX8002-2DC34-1CA0(20m)	PUR	MAT9841545	¹⁾ (2x(2x0.20)+(2x0.38))C	7.5	7.5	10
i6FX8002-2DC34-1CF0(25m)	PUR	MAT9841546	¹⁾ (2x(2x0.20)+(2x0.38))C	7.5	7.5	10
i6FX8002-2DC34-1DA0(30m)	PUR	MAT9841547	¹⁾ (2x(2x0.20)+(2x0.38))C	7.5	7.5	10

¹⁾ Prices per piece for the mentioned fixed lengths. Special lengths available upon request!

Note: The given outer diameters are maximum values and may tend toward lower tolerance limits. Example image igus® will gladly pre-harness cables to your specifications.
G = with green-yellow earth core x = without earth core

Harnessed drive cables | Stöber

PVC/PUR

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

Manufacturer Part No.	Cable quality	igus® Part No.	Number of cores and conductor nominal cross section	Ø Minimum bend radius	Cable page 498-501
			[mm²]	[mm] [x d]	

Stöber Servo cables

Basic cable



Size 1-Motor-1,0mm ²	PVC	MAT9751601	(4G1.5+2x(2x0.75)C)C	13.5	10	04
	PVC	MAT9430001	(4G1.0+2x(2x0.75)C)C	13.5	7.5	05
	PUR	MAT9851601	(4G1.0+2x(2x0.75)C)C	13.0	10	06
	PUR	MAT9420001	(4G1.0+2x(2x0.75)C)C	13.5	7.5	07
Size 1-Motor-1,5mm ²	PVC	MAT9751602	(4G1.5+2x(2x0.75)C)C	13.5	10	04
	PVC	MAT9430002	(4G1.5+2x(2x0.75)C)C	14.5	7.5	05
	PUR	MAT9851602	(4G1.5+2x(2x0.75)C)C	13.5	10	06
	PUR	MAT9420002	(4G1.5+2x(2x0.75)C)C	14.0	7.5	07
Size 1-Motor-2,5mm ²	PVC	MAT9751603	(4G2.5+2x(2x1.5)C)C	16.0	10	04
	PVC	MAT9430003	(4G2.5+2x(2x1.5)C)C	17.0	7.5	05
	PUR	MAT9851603	(4G2.5+2x(2x1.5)C)C	16.0	10	06
	PUR	MAT9420003	(4G2.5+2x(2x1.5)C)C	17.0	7.5	07
Size 1-Motor-4,0mm ²	PVC	MAT9751604	(4G4.0+2x(2x1.5)C)C	17.0	10	04
	PVC	MAT9430004	(4G4.0+2x(2x1.5)C)C	18.5	7.5	05
	PUR	MAT9851604	(4G4.0+2x(2x1.5)C)C	17.0	10	06
	PUR	MAT9420004	(4G4.0+2x(2x1.5)C)C	18.0	7.5	07

Basic cable



Size 1,5-Motor-4,0mm ²	PVC	MAT9751605	(4G4.0+2x(2x1.5)C)C	17.0	10	04
	PVC	MAT9430005	(4G4.0+2x(2x1.5)C)C	18.5	7.5	05
	PUR	MAT9851605	(4G4.0+2x(2x1.5)C)C	17.0	10	06
	PUR	MAT9420005	(4G4.0+2x(2x1.5)C)C	18.0	7.5	07
Size 1,5-Motor-6,0mm ²	PVC	MAT9751606	(4G6.0+2x(2x1.5)C)C	18.5	10	04
	PVC	MAT9430006	(4G6.0+2x(2x1.5)C)C	21.5	7.5	05
	PUR	MAT9851606	(4G6.0+2x(2x1.5)C)C	18.5	10	06
	PUR	MAT9420006	(4G6.0+2x(2x1.5)C)C	20.0	7.5	07
Size 1,5-Motor-10,0mm ²	PVC	MAT9430007	(4G10.0+2x(2x1.5)C)C	24.0	7.5	05
	PUR	MAT9851607	(4G10.0+2x(2x1.5)C)C	22.5	10	06
	PUR	MAT9420007	(4G10.0+2x(2x1.5)C)C	23.5	7.5	07

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

Manufacturer Part No.	Cable quality	igus® Part No.	Number of cores and conductor nominal cross section [mm ²]	Ø Minimum bend radius		Cable page 498-501
				[mm]	[x d]	
Stöber Encoder cables						
iSDS4000 Basic cable						
Encoder ED/EK iSDS4000	PVC	MAT9431001	(4x(2x0.34)+4x0.5)C	9.0	10	08
	PUR	MAT9941601	(4x(2x0.34)+4x0.5)C	9.0	10	09
	PUR	MAT9841601	(4x(2x0.34)+4x0.5)C	10.5	7.5	10
	TPE	MAT9421001	(4x(2x0.34)+4x0.5)C	10.5	7.5	11
iSDS4000 Basic cable						
Encoder ES iSDS4000	PUR	MAT9941602	((4x0.25)+3x(2x0.25+2x0.5))C	9.5	10	09
	PUR	MAT9841602	((4x0.25)+3x(2x0.25+2x0.5))C	11.0	7.5	10
	TPE	MAT9421002	((4x0.25)+3x(2x0.25+2x0.5))C	11.0	7.5	11
iHTL Basic cable						
Encoder HTL	PVC	MAT9431006	(4x(2x0.25)+2x0.5)C	8.0	10	08
	PUR	MAT9841606	(4x(2x0.25)+2x0.5)C	9.5	7.5	10
	TPE	MAT9421006	(4x(2x0.25)+2x0.5)C	9.5	7.5	11
iMDS5000 Basic cable						
Encoder iMDS5000	PVC	MAT9431004	(4x(2x0.25)+2x0.5)C	8.0	10	08
	PUR	MAT9841604	(4x(2x0.25)+2x0.5)C	9.5	7.5	10
	TPE	MAT9421004	(4x(2x0.25)+2x0.5)C	9.5	7.5	11
iMDS5000 Basic cable						
Resolver iMDS5000	PVC	MAT9431005	(3x(2x0.25)C)C	9.0	10	08
	PUR	MAT9841605	(3x(2x0.25)C)C	7.5	7.5	10
	TPE	MAT9421005	(3x(2x0.25)C)C	7.5	7.5	11
iSDS4000 Basic cable						
Resolver iSDS4000	PVC	MAT9431003	(4x(2x0.25)+2x0.5)C	8.0	10	08
	PUR	MAT9841603	(4x(2x0.25)+2x0.5)C	9.5	7.5	10
	TPE	MAT9421003	(4x(2x0.25)+2x0.5)C	9.5	7.5	11

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