

... 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 | Berger Lahr

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]	

Berger Lahr Servo cables

Basic cable



VW3M5101Rxxx	PVC	MAT94503001	(4G1.5+(2x1.5)C)C	12.0	10	04
	PVC	MAT94502001	(4G1.5+(2x1.5)C)C	13.0	7.5	05
	PUR	MAT94501001	(4G1.5+(2x1.5)C)C	12.0	10	06
VW3M5102Rxxx	PUR	MAT94500001	(4G1.5+(2x1.5)C)C	13.0	7.5	07
	PVC	MAT94503002	(4G2.5+(2x1.5)C)C	14.0	10	04
	PVC	MAT94502003	(4G2.5+(2x1.5)C)C	14.5	7.5	05
VW3M5101Rxxx	PUR	MAT94501003	(4G2.5+(2x1.5)C)C	14.0	10	06
	PUR	MAT94500003	(4G2.5+(2x1.5)C)C	14.5	7.5	07

Berger Lahr Resolver cables

Basic cable



VW3M8101Rxxx	PVC	MAT94603001	(4x(2x0.34)+4x0.5)C	9.0	10	08
	PUR	MAT94601001	(4x(2x0.34)+4x0.5)C	10.5	7.5	10
	TPE	MAT94600001	(4x(2x0.34)+4x0.5)C	10.5	7.5	11

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 | Bosch Rexroth

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]	

Bosch Rexroth Power cables

Basic cable



IKG0331	PVC	MAT9190014	(4G0.75+(2x0.5)C)C	11.5	7.5	05
	PUR	MAT9090014	(4G0.75+(2x0.5)C)C	11.5	7.5	07
IKG4008	PVC	MAT9190064	(4G1.0+2x(2x0.75)C)C	13.5	7.5	05
	PUR	MAT9851315	(4G1.0+2x(2x0.75)C)C	13.0	10	06
IKG4009	PUR	MAT9090064	(4G1.0+2x(2x0.75)C)C	13.5	7.5	07
	PVC	MAT9190001	(4G1.0+2x(2x0.75)C)C	13.5	7.5	05
IKG4009	PUR	MAT9851316	(4G1.0+2x(2x0.75)C)C	13.0	10	06
	PUR	MAT9090001	(4G1.0+2x(2x0.75)C)C	13.5	7.5	07
IKG4017	PVC	MAT9190002	(4G1.0+2x(2x0.75)C)C	13.5	7.5	05
	PUR	MAT9851317	(4G1.0+2x(2x0.75)C)C	13.0	10	06
IKG4017	PUR	MAT9090002	(4G1.0+2x(2x0.75)C)C	13.5	7.5	07
	PVC	MAT9190003	(4G1.0+2x(2x0.75)C)C	13.5	7.5	05
IKG4018	PUR	MAT9851318	(4G1.0+2x(2x0.75)C)C	13.0	10	06
	PUR	MAT9090003	(4G1.0+2x(2x0.75)C)C	13.5	7.5	07
IKG4020	PVC	MAT9190004	(4G1.0+2x(2x0.75)C)C	13.5	7.5	05
	PUR	MAT9851319	(4G1.0+2x(2x0.75)C)C	13.0	10	06
IKG4020	PUR	MAT9090004	(4G1.0+2x(2x0.75)C)C	13.5	7.5	07
	PVC	MAT9751309	(4G1.5+2x(2x0.75)C)C	13.5	10	04
IKG4055	PVC	MAT9190005	(4G1.5+2x(2x0.75)C)C	14.5	7.5	05
	PUR	MAT9851320	(4G1.5+2x(2x0.75)C)C	13.5	10	06
IKG4055	PUR	MAT9090005	(4G1.5+2x(2x0.75)C)C	14.0	7.5	07
	PVC	MAT9751310	(4G1.5+2x(2x0.75)C)C	13.5	10	04
IKG4060	PVC	MAT9190006	(4G1.5+2x(2x0.75)C)C	14.5	7.5	05
	PUR	MAT9851321	(4G1.5+2x(2x0.75)C)C	13.5	10	06
IKG4060	PUR	MAT9090006	(4G1.5+2x(2x0.75)C)C	14.0	7.5	07
	PVC	MAT9751311	(4G2.5+2x(2x1.5)C)C	16.0	10	04
IKG4067	PVC	MAT9190007	(4G2.5+2x(2x1.5)C)C	17.0	7.5	05
	PUR	MAT9851322	(4G2.5+2x(2x1.5)C)C	16.0	10	06
IKG4067	PUR	MAT9090007	(4G2.5+2x(2x1.5)C)C	17.0	7.5	07
	PVC	MAT9751312	(4G2.5+2x(2x1.5)C)C	16.0	10	04
IKG4070	PVC	MAT9190008	(4G2.5+2x(2x1.5)C)C	17.0	7.5	05
	PUR	MAT9851323	(4G2.5+2x(2x1.5)C)C	16.0	10	06
IKG4070	PUR	MAT9090008	(4G2.5+2x(2x1.5)C)C	17.0	7.5	07
	PVC	MAT9751313	(4G2.5+2x(2x1.5)C)C	16.0	10	04
IKG4072	PVC	MAT9190068	(4G2.5+2x(2x1.5)C)C	17.0	7.5	05
	PUR	MAT9851324	(4G2.5+2x(2x1.5)C)C	16.0	10	06
IKG4072	PUR	MAT9090068	(4G2.5+2x(2x1.5)C)C	17.0	7.5	07

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