

... 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 ...
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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 | Parker

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]	
Parker Motor cables						
Basic cable						
iMOK42	PVC	MAT9752255	(4G1.5+(2x1.5)C)C	12.0	10	04
	PVC	MAT9752205	(4G2.5+(2x1.5)C)C	14.5	7.5	05
	PUR	MAT9852255	(4G1.5+(2x1.5)C)C	12.0	10	06
	PUR	MAT9852205	(4G1.5+(2x1.5)C)C	13.0	7.5	07
iMOK43	PVC	MAT9752257	(4G2.5+(2x1.5)C)C	14.0	10	04
	PUR	MAT9852257	(4G2.5+(2x1.5)C)C	14.0	10	06
	PUR	MAT9752207	(4G2.5+(2x1.5)C)C	14.5	7.5	07
	PUR	MAT9852207	(4G2.5+(2x1.5)C)C	14.5	7.5	07
iMOK44	PVC	MAT9752256	(4G1.5+(2x1.5)C)C	12.0	10	04
	PUR	MAT9852256	(4G1.5+(2x1.5)C)C	12.0	10	06
	PUR	MAT9752206	(4G1.5+(2x1.5)C)C	13.0	7.5	07
	PUR	MAT9852206	(4G1.5+(2x1.5)C)C	13.0	7.5	07
iMOK45	PVC	MAT9752258	(4G2.5+(2x1.5)C)C	14.0	10	04
	PUR	MAT9852258	(4G2.5+(2x1.5)C)C	14.0	10	06
	PUR	MAT9752208	(4G2.5+(2x1.5)C)C	14.5	7.5	07
	PUR	MAT9852208	(4G2.5+(2x1.5)C)C	14.5	7.5	07
iMOK54	PVC	MAT9752252	(4G1.5+(2x1.5)C)C	12.0	10	04
	PVC	MAT9752202	(4G1.5+(2x1.5)C)C	13.0	7.5	05
	PUR	MAT9852252	(4G1.5+(2x1.5)C)C	12.0	10	06
	PUR	MAT9852202	(4G1.5+(2x1.5)C)C	13.0	7.5	07
iMOK55	PVC	MAT9752251	(4G1.5+(2x1.5)C)C	12.0	10	04
	PVC	MAT9752201	(4G1.5+(2x1.5)C)C	13.0	7.5	05
	PUR	MAT9852251	(4G1.5+(2x1.5)C)C	12.0	10	06
	PUR	MAT9852201	(4G1.5+(2x1.5)C)C	13.0	7.5	07
iMOK56	PVC	MAT9752253	(4G2.5+(2x1.5)C)C	14.0	10	04
	PVC	MAT9752203	(4G2.5+(2x1.5)C)C	14.5	7.5	05
	PUR	MAT9852253	(4G2.5+(2x1.5)C)C	14.0	10	06
	PUR	MAT9852203	(4G2.5+(2x1.5)C)C	14.5	7.5	07
iMOK57	PVC	MAT9752254	(4G2.5+(2x1.5)C)C	14.0	10	04
	PUR	MAT9852254	(4G2.5+(2x1.5)C)C	14.0	10	06
	PUR	MAT9752204	(4G2.5+(2x1.5)C)C	14.5	7.5	07
	PUR	MAT9852204	(4G2.5+(2x1.5)C)C	14.5	7.5	07



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 | Parker

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]	
Parker Resolver cables						
Basic cable						
iREK32	PVC	MAT9722211	(4x(2x0.25))C	8.0	7.5	14
	PUR	MAT9822211	(4x(2x0.25))C	9.0	10	15
	TPE	MAT9922211	(4x(2x0.25))C	8.5	6.8	16
iREK33	PVC	MAT9722212	(4x(2x0.25))C	8.0	7.5	14
	PUR	MAT9822212	(4x(2x0.25))C	9.0	10	15
	TPE	MAT9922212	(4x(2x0.25))C	8.5	6.8	16
iREK41	PVC	MAT9722210	(4x(2x0.25))C	8.0	7.5	14
	PUR	MAT9822210	(4x(2x0.25))C	9.0	10	15
	TPE	MAT9922210	(4x(2x0.25))C	8.5	6.8	16
iREK42	PVC	MAT9722209	(4x(2x0.25))C	8.0	7.5	14
	PUR	MAT9822209	(4x(2x0.25))C	9.0	10	15
	TPE	MAT9922209	(4x(2x0.25))C	8.5	6.8	16



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