

... 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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chainflex® readycable®

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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 | Allen-Bradley/Rockwell

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]	

Allen-Bradley/Rockwell Motor cables

Basic cable



2090-CPWM4DF-08AFxx	PVC	MAT9761795	(4G10.0)C	20.5	7.5	01
	PUR	MAT9861793	(4G10.0)C	18.0	10	06
	TPE	MAT9961791	(4G10.0)C	19.5	7.5	02
	TPE	MAT9961790	(4G10.0)C	19.5	7.5	03
2090-CPWM4DF-10AFxx	PVC	MAT9761796	(4G6.0)C	16.0	7.5	01
	PUR	MAT9861794	(4G6.0)C	14.5	10	06
	TPE	MAT9961793	(4G6.0)C	16.0	7.5	02
	TPE	MAT9961792	(4G6.0)C	16.0	7.5	03

Basic cable



2090-CPWM4DF-12AFxx	PVC	MAT9761797	(4G4.0)C	13.5	7.5	01
	PUR	MAT9861795	(4G4.0)C	12.5	10	06
	TPE	MAT9961795	(4G4.0)C	13.5	7.5	02
	TPE	MAT9961794	(4G4.0)C	13.5	7.5	03
2090-CPWM4DF-14AFxx	PVC	MAT9761798	(4G2.5)C	12.0	7.5	01
	PUR	MAT9861796	(4G2.5)C	11.5	10	06
	PUR	MAT9861798	(4G2.5)C	12.5	7.5	07
	TPE	MAT9961797	(4G2.5)C	11.5	7.5	02
2090-CPWM4DF-16AFxx	PVC	MAT9761799	(4G1.5)C	10.5	7.5	01
	PUR	MAT9861797	(4G1.5)C	9.5	10	06
	PUR	MAT9861799	(4G1.5)C	10.5	7.5	07
	TPE	MAT9961799	(4G1.5)C	10.0	7.5	02
TPE	MAT9961798	(4G1.5)C	10.0	7.5	03	

Basic cable



2090-CPWM7DF-02AF	PVC	New	MAT9761715	(4G35.0)C	32.5	7.5	01
	PUR	New	MAT9861711	(4G35.0)C	33.0	10	06
2090-CPWM7DF-04AF	PVC	New	MAT9761714	(4G25.0)C	28.5	7.5	01
	PUR	New	MAT9861710	(4G25.0)C	25.5	10	06
	TPE	New	MAT9961725	(4G25.0)C	28.0	7.5	02
	TPE	New	MAT9961726	(4G25.0)C	28.0	7.5	03

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 | Allen-Bradley/Rockwell

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]	

Allen-Bradley/Rockwell Motor cables

Basic cable



2090-CPWM7DF-06AF	PVC	New	MAT9761713	(4G16.0)C	23.5	7.5	01
	PUR	New	MAT9861709	(4G16.0)C	22.0	10	06
	TPE	New	MAT9961723	(4G16.0)C	23.0	7.5	02
	TPE	New	MAT9961724	(4G16.0)C	22.5	7.5	03
2090-CPWM7DF-08AFxx	PVC		MAT9761704	(4G10.0)C	20.5	7.5	01
	PUR		MAT9861706	(4G10.0)C	18.0	10	06
	TPE		MAT9961707	(4G10.0)C	19.5	7.5	02
	TPE		MAT9961708	(4G10.0)C	19.5	7.5	03
2090-CPWM7DF-10AFxx	PVC		MAT9761703	(4G6.0)C	16.0	7.5	01
	PUR		MAT9861705	(4G6.0)C	14.5	10	06
	TPE		MAT9961705	(4G6.0)C	16.0	7.5	02
	TPE		MAT9961706	(4G6.0)C	16.0	7.5	03

Basic cable



2090-CPWM7DF-12AFxx	PVC		MAT9761702	(4G4.0)C	13.5	7.5	01
	PUR		MAT9861704	(4G4.0)C	12.5	10	06
	TPE		MAT9961709	(4G4.0)C	13.5	7.5	02
	TPE		MAT9961704	(4G4.0)C	13.5	7.5	03
2090-CPWM7DF-14AFxx	PVC		MAT9761701	(4G2.5)C	12.0	7.5	01
	PUR		MAT9861703	(4G2.5)C	11.5	10	06
	PUR		MAT9861702	(4G2.5)C	12.5	7.5	07
	TPE		MAT9961710	(4G2.5)C	11.5	7.5	02
2090-CPWM7DF-16AFxx	TPE		MAT9961711	(4G2.5)C	11.5	7.5	03
	PVC		MAT9761758	(4G1.5)C	10.5	7.5	01
	PUR		MAT9861760	(4G1.5)C	9.5	10	06
	PUR		MAT9861759	(4G1.5)C	10.5	7.5	07
TPE		MAT9961761	(4G1.5)C	10.0	7.5	02	

Basic cable



2090-XXNPMP-10SXX	PVC		MAT9761712	(4G6.0)C	16.0	7.5	01
	PUR		MAT9961718	(4G6.0)C	14.5	10	06
	TPE		MAT9961703	(4G6.0)C	16.0	7.5	02
	TPE		MAT9961715	(4G6.0)C	16.0	7.5	03

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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	Ø	Minimum bend radius	Cable page 498-501
			[mm²]	[mm]	[x d]	

Allen-Bradley/Rockwell Motor cables

Basic cable



2090-XXNPMP-14SXX	PVC	MAT9761711	(4G2.5)C	12.0	7.5	01
	PUR	MAT9961717	(4G2.5)C	11.5	10	06
	PUR	MAT9851711	(4G2.5)C	12.5	7.5	07
	TPE	MAT9961702	(4G2.5)C	11.5	7.5	02
	TPE	MAT9961714	(4G2.5)C	11.5	7.5	03
2090-XXNPMP-16SXX	PVC	MAT9761710	(4G1.5)C	10.5	7.5	01
	PUR	MAT9961716	(4G1.5)C	9.5	10	06
	PUR	MAT9861701	(4G1.5)C	10.5	7.5	07
	TPE	MAT9961701	(4G1.5)C	10.0	7.5	02
	TPE	MAT9961713	(4G1.5)C	10.0	7.5	03

Extension cable



2090-CPWM7E7-08AF	PUR	New	MAT9861716	(4G10.0)C	18.0	10	06
2090-CPWM7E7-10AF	PUR	New	MAT9861715	(4G6.0)C	14.5	10	06

Extension cable



2090-CPWM7E7-12AF	PUR	New	MAT9861714	(4G4.0)C	12.5	10	06
2090-CPWM7E7-14AF	PUR	New	MAT9861713	(4G2.5)C	11.5	10	06
2090-CPWM7E7-16AF	PUR	New	MAT9861712	(4G1.5)C	9.5	10	06

Allen-Bradley/Rockwell Servo cables

Basic cable



2090-CPBM4DF-08AFxx	PVC	MAT9751799	(4G10.0+(2x1.5)C)C	22.5	7.5	05
	PUR	MAT9851798	(4G10.0+(2x1.5)C)C	20.5	10	06
	PUR	MAT9851799	(4G10.0+(2x1.5)C)C	21.0	7.5	07
2090-CPBM4DF-10AFxx	PVC	MAT9751797	(4G6.0+(2x1.5)C)C	16.5	10	04
	PVC	MAT9751798	(4G6.0+(2x1.5)C)C	18.0	7.5	05
	PUR	MAT9851796	(4G6.0+(2x1.5)C)C	16.5	10	06
	PUR	MAT9851797	(4G6.0+(2x1.5)C)C	18.0	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

* 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]	

Allen-Bradley/Rockwell Servo cables

Basic cable



2090-CPBM4DF-12AFxx	PVC	MAT9751795	(4G4.0+(2x1.5)C)C	15.0	10	04
	PVC	MAT9751796	(4G4.0+(2x1.5)C)C	16.0	7.5	05
	PUR	MAT9851794	(4G4.0+(2x1.5)C)C	15.0	10	06
	PUR	MAT9851795	(4G4.0+(2x1.5)C)C	16.0	7.5	07
2090-CPBM4DF-14AFxx	PVC	MAT9751791	(4G2.5+(2x1.5)C)C	14.0	10	04
	PVC	MAT9751792	(4G2.5+(2x1.5)C)C	14.5	7.5	05
	PUR	MAT9851790	(4G2.5+(2x1.5)C)C	14.0	10	06
2090-CPBM4DF-16AFxx	PUR	MAT9851791	(4G2.5+(2x1.5)C)C	14.5	7.5	07
	PVC	MAT9751757	(4G1.5+(2x1.5)C)C	12.0	10	04
	PVC	MAT9751756	(4G1.5+(2x1.5)C)C	13.0	7.5	05
	PUR	MAT9851755	(4G1.5+(2x1.5)C)C	12.0	10	06
PUR	MAT9851754	(4G1.5+(2x1.5)C)C	13.0	7.5	07	

Basic cable



2090-CPBM7DF-02AF	PUR	New	MAT9851745	(4G35.0+(2x1.5)C)C	32.5	7.5	07
2090-CPBM7DF-04AF	PUR	New	MAT9851743	(4G25.0+(2x1.5)C)C	28.5	10	06
	PUR	New	MAT9851744	(4G25.0+(2x1.5)C)C	28.5	7.5	07

Basic cable



2090-CPBM7DF-06AF	PUR	New	MAT9851741	(4G16.0+(2x1.5)C)C	24.0	10	06
	PUR	New	MAT9851742	(4G16.0+(2x1.5)C)C	24.5	7.5	07

Basic cable



2090-CPBM7DF-08AFxx	PVC	MAT9751745	(4G10.0+(2x1.5)C)C	22.5	7.5	05
	PUR	MAT9851736	(4G10.0+(2x1.5)C)C	20.5	10	06
	PUR	MAT9851735	(4G10.0+(2x1.5)C)C	21.0	7.5	07
2090-CPBM7DF-10AFxx	PVC	MAT9751706	(4G6.0+(2x1.5)C)C	16.5	10	04
	PVC	MAT9751705	(4G6.0+(2x1.5)C)C	18.0	7.5	05
	PUR	MAT9851705	(4G6.0+(2x1.5)C)C	18.0	7.5	07
	PUR	MAT9851712	(4G6.0+(2x1.5)C)C	16.5	10	06
2090-CPBM7DF-12AFxx	PVC	MAT9751793	(4G4.0+(2x1.5)C)C	15.0	10	04
	PVC	MAT9751794	(4G4.0+(2x1.5)C)C	16.0	7.5	05
	PUR	MAT9851792	(4G4.0+(2x1.5)C)C	15.0	10	06
	PUR	MAT9851793	(4G4.0+(2x1.5)C)C	16.0	7.5	07

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Harnessed drive cables | Allen-Bradley/Rockwell

PVC/PUR

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			[mm²]	[mm]	[x d]	

Allen-Bradley/Rockwell Servo cables

Basic cable



2090-CPBM7DF-14AFxx	PVC	MAT9751744	(4G2.5+(2x1.5)C)C	14.0	10	04
	PVC	MAT9751743	(4G2.5+(2x1.5)C)C	14.5	7.5	05
	PUR	MAT9851734	(4G2.5+(2x1.5)C)C	14.0	10	06
	PUR	MAT9851733	(4G2.5+(2x1.5)C)C	14.5	7.5	07
2090-CPBM7DF-16AFxx	PVC	MAT9751742	(4G1.5+(2x1.5)C)C	12.0	10	04
	PVC	MAT9751741	(4G1.5+(2x1.5)C)C	13.0	7.5	05
	PUR	MAT9851732	(4G1.5+(2x1.5)C)C	12.0	10	06
	PUR	MAT9851731	(4G1.5+(2x1.5)C)C	13.0	7.5	07

Basic cable



2090-XXNPMF-10SXX	PVC	MAT9711730	(4G6.0+(2x1.5)C)C	16.5	10	04
	PVC	MAT9961722	(4G6.0+(2x1.5)C)C	18.0	7.5	05
	PUR	MAT9811726	(4G6.0+(2x1.5)C)C	16.5	10	06
	PUR	MAT9851708	(4G6.0+(2x1.5)C)C	18.0	7.5	07

Basic cable



2090-XXNPMF-14SXX	PVC	MAT9711729	(4G2.5+(2x1.5)C)C	14.0	10	04
	PVC	MAT9961721	(4G2.5+(2x1.5)C)C	14.5	7.5	05
	PUR	MAT9811725	(4G2.5+(2x1.5)C)C	14.0	10	06
	PUR	MAT9851707	(4G2.5+(2x1.5)C)C	14.5	7.5	07
2090-XXNPMF-16SXX	PVC	MAT9711728	(4G1.5+(2x1.5)C)C	12.0	10	04
	PVC	MAT9961720	(4G1.5+(2x1.5)C)C	13.0	7.5	05
	PUR	MAT9811724	(4G1.5+(2x1.5)C)C	12.0	10	06
	PUR	MAT9851706	(4G1.5+(2x1.5)C)C	13.0	7.5	07

Extension cable



2090-CPBM7E7-08AFxx	PVC	MAT9751709	(4G10.0+(2x1.5)C)C	22.5	7.5	05
	PUR	MAT9851710	(4G10.0+(2x1.5)C)C	20.5	10	06
	PUR	MAT9851709	(4G10.0+(2x1.5)C)C	21.0	7.5	07
2090-CPBM7E7-10AFxx	PVC	MAT9751708	(4G6.0+(2x1.5)C)C	16.5	10	04
	PVC	MAT9751707	(4G6.0+(2x1.5)C)C	18.0	7.5	05
	PUR	MAT9851714	(4G6.0+(2x1.5)C)C	16.5	10	06
	PUR	MAT9851713	(4G6.0+(2x1.5)C)C	18.0	7.5	07

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Harnessed drive cables | Allen-Bradley/Rockwell

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]	

Allen-Bradley/Rockwell Servo cables

Extension cable



2090-CPBM7E7-12AFxx	PVC	MAT9751789	(4G2.5+(2x1.5)C)C	14.0	10	04
	PVC	MAT9751790	(4G2.5+(2x1.5)C)C	14.5	7.5	05
	PUR	MAT9851788	(4G2.5+(2x1.5)C)C	14.0	10	06
	PUR	MAT9851789	(4G2.5+(2x1.5)C)C	14.5	7.5	07
2090-CPBM7E7-14AFxx	PVC	MAT9751747	(4G2.5+(2x1.5)C)C	14.0	10	04
	PVC	MAT9751746	(4G2.5+(2x1.5)C)C	14.5	7.5	05
	PUR	MAT9851738	(4G2.5+(2x1.5)C)C	14.0	10	06
	PUR	MAT9851737	(4G2.5+(2x1.5)C)C	14.5	7.5	07
2090-CPBM7E7-16AFxx	PVC	MAT9751749	(4G1.5+(2x1.5)C)C	12.0	10	04
	PVC	MAT9751748	(4G1.5+(2x1.5)C)C	13.0	7.5	05
	PUR	MAT9851740	(4G1.5+(2x1.5)C)C	12.0	10	06
	PUR	MAT9851739	(4G1.5+(2x1.5)C)C	13.0	7.5	07

Allen-Bradley/Rockwell Hybrid Servo cables

Basic cable



2090-CSBM1DE-10AF	PUR	New	MAT9851723	(4G6.0+(2x1.0)C)+(2xAWG22)C)C	18.0	10	28
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Basic cable



2090-CSBM1DE-14AF	PVC	New	MAT9751711	(4G2.5+(2x1.0)C)+(2xAWG22)C)C	15.0	10	27
	PUR	New	MAT9851720	(4G2.5+(2x1.0)C)+(2xAWG22)C)C	15.0	10	28
2090-CSBM1DE-18AF	PVC	New	MAT9751710	(4G1.0+(2x0.75)C)+(2xAWG22)C)C	12.5	10	27
	PUR	New	MAT9851719	(4G1.0+(2x0.75)C)+(2xAWG22)C)C	12.5	10	28

Basic cable



2090-CSBM1DF-10AF	PUR	New	MAT9851717	(4G6.0+(2x1.0)C)+(2xAWG22)C)C	18.0	10	28
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Basic cable



2090-CSBM1DF-14AF	PVC		MAT9751703	(4G2.5+(2x1.0)C)+(2xAWG22)C)C	15.0	10	27
	PUR		MAT9851703	(4G2.5+(2x1.0)C)+(2xAWG22)C)C	15.0	10	28
2090-CSBM1DF-18AF	PVC		MAT9751701	(4G1.0+(2x0.75)C)+(2xAWG22)C)C	12.5	10	27
	PUR		MAT9851701	(4G1.0+(2x0.75)C)+(2xAWG22)C)C	12.5	10	28

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 | Allen-Bradley/Rockwell

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 [mm²]	Ø [mm]	Minimum bend radius [x d]	Cable page 498-501
Allen-Bradley/Rockwell Hybrid Servo cables						
Basic cable						
2090-CSBM1DG-10AF	PUR	New MAT9851750	(4G6.0+(2x1.0)C)+(2xAWG22)C/C	18.0	10	28
Basic cable						
2090-CSBM1DG-14AF	PVC	New MAT9751719	(4G2.5+(2x1.0)C)+(2xAWG22)C/C	15.0	10	27
	PUR	New MAT9851747	(4G2.5+(2x1.0)C)+(2xAWG22)C/C	15.0	10	28
2090-CSBM1DG-18AF	PVC	New MAT9751718	(4G1.0+(2x0.75)C)+(2xAWG22)C/C	12.5	10	27
	PUR	New MAT9851746	(4G1.0+(2x0.75)C)+(2xAWG22)C/C	12.5	10	28
Basic cable						
2090-CSWM1DE-10AF	PUR	New MAT9851724	(4G6.0+(2x1.0)C)+(2xAWG22)C/C	18.0	10	28
Basic cable						
2090-CSWM1DE-14AF	PVC	New MAT9751713	(4G2.5+(2x1.0)C)+(2xAWG22)C/C	15.0	10	27
	PUR	New MAT9851722	(4G2.5+(2x1.0)C)+(2xAWG22)C/C	15.0	10	28
2090-CSWM1DE-18AF	PVC	New MAT9751712	(4G1.0+(2x0.75)C)+(2xAWG22)C/C	12.5	10	27
	PUR	New MAT9851721	(4G1.0+(2x0.75)C)+(2xAWG22)C/C	12.5	10	28
Basic cable						
2090-CSWM1DF-10AF	PUR	New MAT9851718	(4G6.0+(2x1.0)C)+(2xAWG22)C/C	18.0	10	28
Basic cable						
2090-CSWM1DF-14AF	PVC	MAT9751704	(4G2.5+(2x1.0)C)+(2xAWG22)C/C	15.0	10	27
	PUR	MAT9851704	(4G2.5+(2x1.0)C)+(2xAWG22)C/C	15.0	10	28
2090-CSWM1DF-18AF	PVC	MAT9751702	(4G1.0+(2x0.75)C)+(2xAWG22)C/C	12.5	10	27
	PUR	MAT9851702	(4G1.0+(2x0.75)C)+(2xAWG22)C/C	12.5	10	28
Basic cable						
2090-CSWM1DG-10AF	PUR	New MAT9851751	(4G6.0+(2x1.0)C)+(2xAWG22)C/C	18.0	10	28

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 | Allen-Bradley/Rockwell

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 [mm²]	Ø [mm]	Minimum bend radius [x d]	Cable page 498-501
Allen-Bradley/Rockwell Hybrid Servo cables						
Basic cable						
2090-CSWM1DG-14AF	PVC	New MAT9751721	(4G2.5+(2x1.0)C)+(2xAWG22)C/C	15.0	10	27
	PUR	New MAT9851749	(4G2.5+(2x1.0)C)+(2xAWG22)C/C	15.0	10	28
2090-CSWM1DG-18AF	PVC	New MAT9751720	(4G1.0+(2x0.75)C)+(2xAWG22)C/C	12.5	10	27
	PUR	New MAT9851748	(4G1.0+(2x0.75)C)+(2xAWG22)C/C	12.5	10	28
Extension cable						
2090-CSBM1E1-10AF	PUR	New MAT9851729	(4G6.0+(2x1.0)C)+(2xAWG22)C/C	18.0	10	28
Extension cable						
2090-CSBM1E1-14AF	PVC	New MAT9751715	(4G2.5+(2x1.0)C)+(2xAWG22)C/C	15.0	10	27
	PUR	New MAT9851726	(4G2.5+(2x1.0)C)+(2xAWG22)C/C	15.0	10	28
2090-CSBM1E1-18AF	PVC	New MAT9751714	(4G1.0+(2x0.75)C)+(2xAWG22)C/C	12.5	10	27
	PUR	New MAT9851725	(4G1.0+(2x0.75)C)+(2xAWG22)C/C	12.5	10	28
Extension cable						
2090-CSWM1E1-10AF	PUR	New MAT9851730	(4G6.0+(2x1.0)C)+(2xAWG22)C/C	18.0	10	28
Extension cable						
2090-CSWM1E1-14AF	PVC	New MAT9751717	(4G2.5+(2x1.0)C)+(2xAWG22)C/C	15.0	10	27
	PUR	New MAT9851728	(4G2.5+(2x1.0)C)+(2xAWG22)C/C	15.0	10	28
2090-CSWM1E1-18AF	PVC	New MAT9751716	(4G1.0+(2x0.75)C)+(2xAWG22)C/C	12.5	10	27
	PUR	New MAT9851727	(4G1.0+(2x0.75)C)+(2xAWG22)C/C	12.5	10	28
Allen-Bradley/Rockwell Brake cables						
Basic cable						
2090-UXNBMP-18SXX	PVC	MAT9711727	(3G0.75)C	8.0	7.5	18
	PVC	MAT9961719	(3G0.75)C	8.0	6.8	20
	PUR	MAT9811705	(3G0.75)C	8.0	6.8	22
Allen-Bradley/Rockwell Feedback cables						
Basic cable						
2090-CFBM4DF-CDAFxx	PUR	MAT9841753	(3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C	10.5	7.5	10

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igus® will gladly pre-harness cables to your specifications.
G = with green-yellow earth core x = without earth core

* 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		Cable page 498-501
				Minimum bend radius	Minimum bend radius	
			[mm ²]	[mm]	[x d]	
Allen-Bradley/Rockwell Feedback cables						
Basic cable						
2090-CFBM4DF-CEAFxx	PUR	MAT9841796	(3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C	9.0	10	09
	PUR	MAT9841798	(3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C	10.5	7.5	10
	TPE	MAT9941799	(3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C	10.5	7.5	11
Basic cable						
2090-CFBM7DD-CDAFxx	PUR	MAT9841795	(3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C	10.5	7.5	10
2090-CFBM7DD-CEAFxx	PUR	MAT9841797	(3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C	10.5	7.5	10
Basic cable						
2090-CFBM7DF-CDAFxx	PUR	MAT9841771	(3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C	9.0	10	09
	PUR	MAT9841750	(3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C	10.5	7.5	10
	TPE	MAT9941764	(3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C	10.5	7.5	11
2090-CFBM7DF-CEAFxx	PUR	MAT9841752 ¹⁾	(3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C	10.5	7.5	10
Basic cable						
2090-XXNFMF-Sxx	PUR	MAT9941709	(3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C	9.0	10	09
	PUR	MAT9841770	(3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C	10.5	7.5	10
	TPE	MAT9941763	(3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C	10.5	7.5	11
Basic cable						
2090-XXNFMF-Sxx	PUR	MAT9841769	(3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C	9.0	10	09
	PUR	MAT9941704	(3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C	10.5	7.5	10
	TPE	MAT9941762	(3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C	10.5	7.5	11
Basic cable						
i2090-CFBM4DF-CDAFxx	PUR	MAT9841775	(3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C	9.0	10	09
	TPE	MAT9941768	(3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C	10.5	7.5	11
Basic cable						
i2090-CFBM7DF-CEAFxx	PUR	MAT9841774 ¹⁾	(3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C	9.0	10	09
	TPE	MAT9941767 ¹⁾	(3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C	10.5	7.5	11

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

* 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		Cable page 498-501
				Minimum bend radius	Minimum bend radius	
			[mm ²]	[mm]	[x d]	
Allen-Bradley/Rockwell Feedback cables						
Extension cable						
2090-CFBM7E7-CDAFxx	PUR	MAT9841772	(3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C	9.0	10	09
	PUR	MAT9841751	(3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C	10.5	7.5	10
	TPE	MAT9941765	(3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C	10.5	7.5	11
2090-CFBM7E7-CEAFxx	PUR	MAT9841773	(3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C	9.0	10	09
	PUR	MAT9741776	(3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C	10.5	7.5	10
	TPE	MAT9941766	(3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C	10.5	7.5	11
Allen-Bradley/Rockwell Adapter cables (Transition Cables)						
Basic cable						
2090-CFBM4E2-CATR	PUR	MAT9841799	(3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C	9.0	10	09
Basic cable						
2090-CPWM4E2-14TR	PUR	MAT9861792	(4G2.5)C	11.5	10	06

¹⁾Alternative cable construction possible for Hiperface DSL applications

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