

Group	Chainflex® cable	Jacket material	1	2	3	4	5	Page
Control cables								
Control cable	CF880	PVC	1					42
Control cable	CF881	PVC	1					46
Control cable	CF130-UL	PVC	1					58
Control cable	CF140-UL	PVC	1					62
Control cable	CF5	PVC		2				66
Control cable	CF6	PVC		2				70
Control cable	CF890	iguPUR			3			78
Control cable	CF891	iguPUR			3			82
Control cable	CF77-UL-D	PUR				4		86
Control cable	CF78-UL	PUR				4		90
Control cable	CF2	PUR				4		94
Control cable	CF9	TPE					5	96
Control cable	CF10	TPE					5	102
Control cable	CF9-UL	TPE					5	106
Control cable	CF10-UL	TPE					5	110
Control cable	CF98	TPE					5	114
Control cable	CF99	TPE					5	116
Data cables								
Data cable	CF240	PVC		2				124
Data cable	CF240 -PUR	PUR				4		128
Data cable	CF211	PVC		2				132
Data cable	CF211-PUR	PUR				4		136
Data cable	CF112	PUR				4		140
Data cable	CF11	TPE					5	144
Data cable	CF12	TPE					5	148
Data cable	CF298	TPE					5	150
Data cable	CF299	TPE					5	152
Data cable	CFKoax	TPE					5	154
Bus cables								
Bus cable	CF888	PVC	1					166
Bus cable	CFBUS-PVC	PVC		2				170
Bus cable	CF898	iguPUR			3			174
Bus cable	CFBUS-PUR	PUR				4		178
Bus cable	CFBUS	TPE					5	182
Bus cable	CFBUS-LB	TPE					5	188
Fibre optic cables								
Fibre optic cable	CFLG88	PVC	1					202
Fibre optic cable	CFLK	PUR				4		200
Fibre optic cable	CFLG-LB-PUR	PUR				4		204
Fibre optic cable	CFLG-LB	TPE					5	208
Fibre optic cable	CFLG-G	TPE					5	212
Measuring system cables								
Measuring system cable	CF884	PVC	1					222
Measuring system cable	CF211	PVC		2				226
Measuring system cable	CF894	iguPUR			3			232
Measuring system cable	CF111-D	PUR				4		236
Measuring system cable	CF113-D	PUR				4		242
Measuring system cable	CF11-D	TPE					5	248

Chemical resistance | Selection chart

Group	1	2	3	4	5
Inorganic chemicals					
Aqueous solutions, neutral					
Water	+	+	0	+	+
Common salt (10%)	+	+	0	+	+
Glauber's salt (10%)	+	+	0	+	+
Aqueous solutions, alkaline					
Soda (10%)	0	+	+	0	+
Aqueous solutions, acid					
Sodium bisulfate (10%)	0	+	+	0	+
Aqueous solutions, oxidising					
Hydrogen peroxide (10%)	+	+	0	+	+
Potassium permanganate (2%)	+	+	0	+	+
Inorganic acids					
Hydrochloric acid, concentrated	-	-	-	-	-
Hydrochloric acid (10%)	0	0	+	0	+
Sulfuric acid, concentrated	-	-	-	-	-
Sulfuric acid (10%)	0	0	+	0	+
Nitric acid, concentrated	-	-	-	-	-
Nitric acid (10%)	0	0	+	-	0
Inorganic caustic solutions					
Sodium hydroxide, concentrated	-	-	-	-	0
Sodium hydroxide (10%)	0	0	+	0	+
Caustic potash, concentrated	-	-	-	-	0
Caustic potash (10%)	0	0	+	0	+
Ammonia, concentrated	0	0	-	0	+
Ammonia (10%)	+	+	+	+	+
Organic chemicals / organic acids					
Acetic acid, concentrated (glacial acetic acid)					
Acetic acid, concentrated (glacial acetic acid)	-	-	-	-	0
Acetic acid (10% in H ₂ O)	0	+	+	0	+
Tartaric acid (10% in H ₂ O)	0	+	+	+	+
Citric acid (10% in H ₂ O)	0	+	+	+	+
Ketone					
Acetone	-	-	-	-	0
Methyl ethyl ketone (MEK)	-	-	-	-	0
Alcohols					
Ethyl alcohol (spirit)	-	0	+	0	+
Isopropyl alcohol	-	0	+	0	+
Diethylene glycol	0	0	+	+	+
Aromatic compounds					
Toluol	-	-	-	0	-
Xylol	-	-	-	0	-
Fuels					
Gasoline	-	0	0	+	+
Diesel fuel	-	0	0	+	+
Synthetic oils					
lubricating oil					
ASTM oil #2	0	+	+	+	+
Hydraulic oil					
Mineral oil base	-	0	+	+	+
Glycol base	0	0	+	+	+
Synthetic ester base	-	0	-	+	+
Vegetable oils					
Rapeseed oil	0	+	0	+	+
Olive oil	0	+	0	+	+
Soya bean oil	0	+	0	+	+
Cold cleaning agent					
Cold cleaning agent	-	0	+	+	0

+ no or minimum negative influence

0 medium reciprocal effect, short-term exposure permissible

- unstable, material partly destroyed

All information applies to room temperature

Chemical resistance | Selection chart

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Servo cables								
Servo cable	CF887	PVC	1					260
Servo cable	CF210-UL	PVC		2				262
Servo cable	CF220-UL-H	PVC		2				266
Servo cable	CF21-UL	PVC		2				270
Servo cable	CF897	iguPUR			3			274
Servo cable	CF270-UL-D	PUR				4		276
Servo cable	CF280-UL-H	PUR				4		280
Servo cable	CF27-D	PUR				4		286
Servo cable	CF29-D	TPE					5	290
Motor cables								
Motor cable	CF885	PVC	1					298
Motor cable	CF886	PVC	1					300
Motor cable	CF30	PVC		2				304
Motor cable	CF31	PVC		2				308
Motor cable	CF895	iguPUR			3			312
Motor cable	CF896	iguPUR			3			314
Motor cable	CF270-UL-D	PUR				4		316
Motor cable	CF27-D	PUR				4		320
Motor cable	CF34-UL-D	TPE					5	324
Motor cable	CF35-UL	TPE					5	328
Motor cable	CF37-D	TPE					5	332
Motor cable	CF38	TPE					5	334
Motor cable	CF300-UL-D	TPE					5	344
Motor cable	CFPE	TPE					5	346
Motor cable	CF310-UL	TPE					5	348
Motor cable	CF330-D	TPE					5	350
Motor cable	CF340	TPE					5	352
Twistable cables								
Twistable cable	CF77-UL-D	PUR				4		364
Twistable cable	CFROBOT2	PUR				4		368
Twistable cable	CFROBOT3	PUR				4		370
Twistable cable	CFROBOT4	PUR				4		372
Twistable cable	CFROBOT5	TPE					5	376
Twistable cable	CFROBOT6	PUR				4		378
Twistable cable	CFROBOT7	PUR				4		380
Twistable cable	CFROBOT	TPE					5	384
Twistable cable	CFROBOT8	PUR				4		386
Twistable cable	CFROBOT9	PUR				4		390
Special cables								
Special cable	CFTHERMO	PUR				4		396
Special cable	CFFLAT	TPE					5	398
Special cable	CFBRAID	TPE					5	400
Special cable	CFSPECIAL-182	PUR				4		402
Special cable	CFSPECIAL-792	PUR				4		408

Chemical resistance | Selection chart

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Water	+	+	0	+	+
Common salt (10%)	+	+	0	+	+
Glauber's salt (10%)	+	+	0	+	+
Aqueous solutions, alkaline					
Soda (10%)	0	+	+	0	+
Aqueous solutions, acid					
Sodium bisulfate (10%)	0	+	+	0	+
Aqueous solutions, oxidising					
Hydrogen peroxide (10%)	+	+	0	+	+
Potassium permanganate (2%)	+	+	0	+	+
Inorganic acids					
Hydrochloric acid, concentrated	-	-	-	-	-
Hydrochloric acid (10%)	0	0	+	0	+
Sulfuric acid, concentrated	-	-	-	-	-
Sulfuric acid (10%)	0	0	+	0	+
Nitric acid, concentrated	-	-	-	-	-
Nitric acid (10%)	0	0	+	-	0
Inorganic caustic solutions					
Sodium hydroxide, concentrated	-	-	-	-	0
Sodium hydroxide (10%)	0	0	+	0	+
Caustic potash, concentrated	-	-	-	-	0
Caustic potash (10%)	0	0	+	0	+
Ammonia, concentrated	0	0	-	0	+
Ammonia (10%)	+	+	+	+	+
Organic chemicals / organic acids					
Acetic acid, concentrated (glacial acetic acid)	-	-	-	-	0
Acetic acid (10% in H ₂ O)	0	+	+	0	+
tartaric acid (10% in H ₂ O)	0	+	+	+	+
Citric acid (10% in H ₂ O)	0	+	+	+	+
Ketone					
Acetone	-	-	-	-	0
Methyl ethyl ketone (MEK)	-	-	-	-	0
Alcohols					
Ethyl alcohol (spirit)	-	0	+	0	+
Isopropyl alcohol	-	0	+	0	+
Diethylene glycol	0	0	+	+	+
Aromatic compounds					
Toluol	-	-	-	0	-
Xylol	-	-	-	0	-
Fuels					
Gasoline	-	0	0	+	+
Diesel fuel	-	0	0	+	+
Synthetic oils					
lubricating oil					
ASTM oil #2	0	+	+	+	+
Hydraulic oil					
Mineral oil base	-	0	+	+	+
Glycol base	0	0	+	+	+
Synthetic ester base	-	0	-	+	+
Vegetable oils					
Rapeseed oil	0	+	0	+	+
Olive oil	0	+	0	+	+
Soya bean oil	0	+	0	+	+
Cold cleaning agent					
Cold cleaning agent	-	0	+	+	0

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