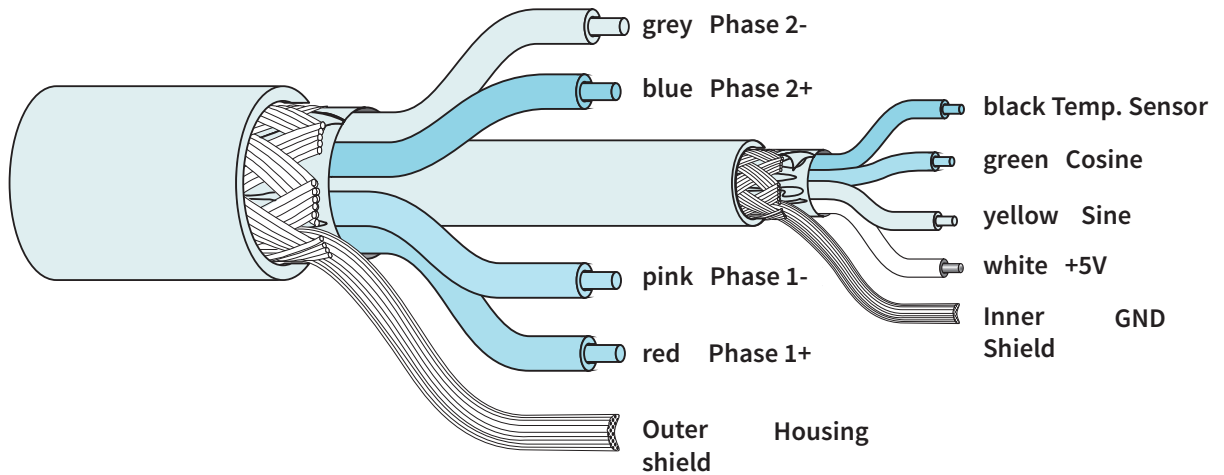


MOTOR CABLES FOR STANDARD AND LINEAR ROTARY MOTORS



- ✓ Single-cable principle to feed signals and motor phases
- ✓ Standard cables for fixed installation
- ✓ High-flex cables for cable chain applications
- ✓ Robot cables for torsional loads
- ✓ Prefabricated motor cables

For type P0x and PR linear motors, one single cable is sufficient to connect the motor and drive. This motor cable contains the motor phases and sensor signals for the position measurement integrated in the motor. The double shielding in the cable (see illustration) ensures that the linear motor can operate without interference with a cable up to 30 m long.



Single-cable concept for type P0x linear motors and PR01 motors

TYPES OF MOTOR CABLES

The abbreviations K, KS, KR, and KF specify the available types of the cables.

The standard type K motor cable is suitable for stationary cable routing. It is used wherever the motor cable is fixed and not subject to any motion.

The high-flex trailing chain KS motor cable is suitable for applications where the motor cable moves, where the cable is routed through a cable carrier and undergoes a roll-up motion.

If the motor cable is subject to a torsional motion, then the special type KR robot cable should be used. In order to protect the robot cable from mechanical damage, it should be routed through a suitable cable tube.

A ribbon cable is with the designation KF is available for the P02-23Sx80 short motor. The ribbon cable can be subjected to roll-up motion, just like the high-flex cable.

MOTOR CABLE BY LENGTH

LinMot motor cables are available by length in versions K, KS, and KR. The cable can be cut to the desired length or ordered in large quantities on rolls.

LinMot carries all of the motor plugs for customers to assemble their own motor cables. The individual connections for customer-assembled motor cables should be checked carefully for short circuits and correct configuration prior to commissioning. The insulation strength between individual conductors must be tested with a test voltage of 1500VDC.

PREFABRICATED MOTOR CABLES

Fully assembled motor cables can be shipped in lengths up to 30 m. Order the motor cable in the desired length together with the matching motor plugs (assembled). Longer cables can also be assembled after consultation with LinMot.

Prefabricated motor cables with the most commonly used plug combinations can be shipped from stock in standard lengths.

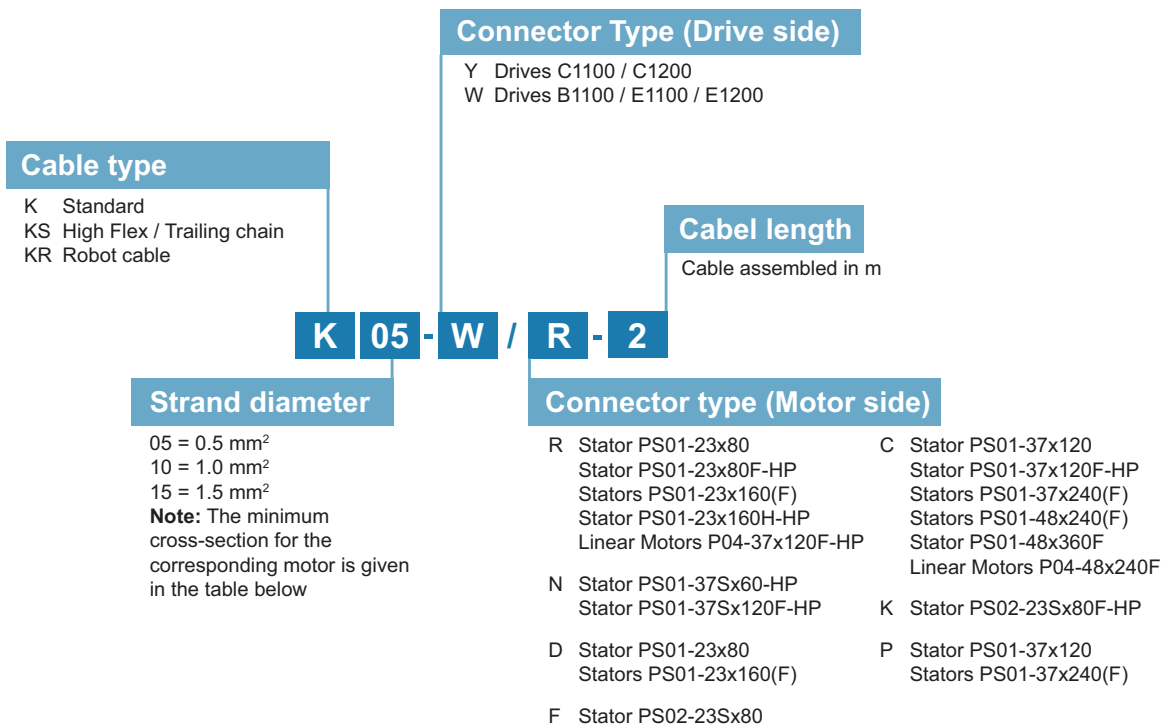
LinMot motor cables are produced using only crimped contacts and are tested under high voltage prior to shipment.

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Cables for stators P01 / P02 / P03 / P04 / PR01									
	Standard Motor Cable		Trailing Chain Cable			Robot Cable			Flat Cable
Cable type	K05-04/05	K15-04/05	KS03-09	KS05-04/05	KS10-04/05	KR03-09	KR05-04/05	KR10-04/05	KF02-D15/F-...
Wire cross-section Motor phases	0.5 mm ² (AWG20)	1.5 mm ² (AWG16)	0.34 mm ² (AWG22)	0.5 mm ² (AWG20)	1.0 mm ² (AWG18)	0.34 mm ² (AWG22)	0.5 mm ² (AWG20)	1.0 mm ² (AWG18)	(-)
Wire cross-section Sensor signal	0.14 mm ² (AWG26)		0.14 mm ² (AWG26)			0.14 mm ² (AWG26)			(-)
Material Wire insulation	TPE-U		TPE-E			TPE-E			Polyester
Material Cable sheath	PUR		PUR			PUR			(-)
Colour Cable sheath	black		black			black			white
Cable cross section	8.2 mm (0.31 in)	11.2 mm (0.44 in)	6.7 mm (0.26 in)	9.5 mm (0.38 in)	10.8 mm (0.42 in)	7.4 mm (0.29 in)	9.7 mm (0.38 in)	10.9 mm (0.43 in)	17.8x0.2 mm (0.7x0.008 in)
Weight	83 kg/km (295 lb/mi)	180 kg/km (639 lb/mi)	64 kg/km (227 lb/mi)	113 kg/km (401 lb/mi)	139 kg/km (493 lb/mi)	69 kg/km	109 kg/km (387 lb/mi)	136 kg/km (493 lb/mi)	(-)
Approvals	UL / CSA 300V		UL / CSA 300V			UL / CSA 300V			(-)
Minimum bending radius static	25 mm (1 in)	50 mm (2 in)	25 mm (1 in)	30 mm (1.2 in)	50 mm (2 in)	30 mm (1.2 in)	40 mm (1.6 in)	50 mm (2 in)	foldable
Minimum bending radius moving	Not suitable for applications With moving motor cable		50 mm (2 in)	60 mm (2.4 in) no torsion	100 mm (4 in) no torsion	60 mm (2.4 in) Max. Torsion: ±180° pro 0.5 m*	80 mm (3.2 in) Max. Torsion: ±270° per 0.5 m (19.7 in)	100 mm (4 in) Max. Torsion: ±270° per 0.5 m (19.7 in)	25 mm (0.99 in)
Temperature range	-40°...+80°C		-40°...+80°C			-40°...+80°C			-55°...+105°C
Oil resistance	very good acc. DIN VDE 0282 Part 10 + HD 22.10		very good acc. DIN VDE 0282 Part 10 + HD 22.10			very good acc. DIN VDE 0282 Part 10 + HD 22.10			(-)
Chemical resistance	good to acids, alkalis, solvents, hydraulic fluids, etc.		good to acids, alkalis, solvents, hydraulic fluids, etc.			good to acids, alkalis, solvents, hydraulic fluids, etc.			(-)

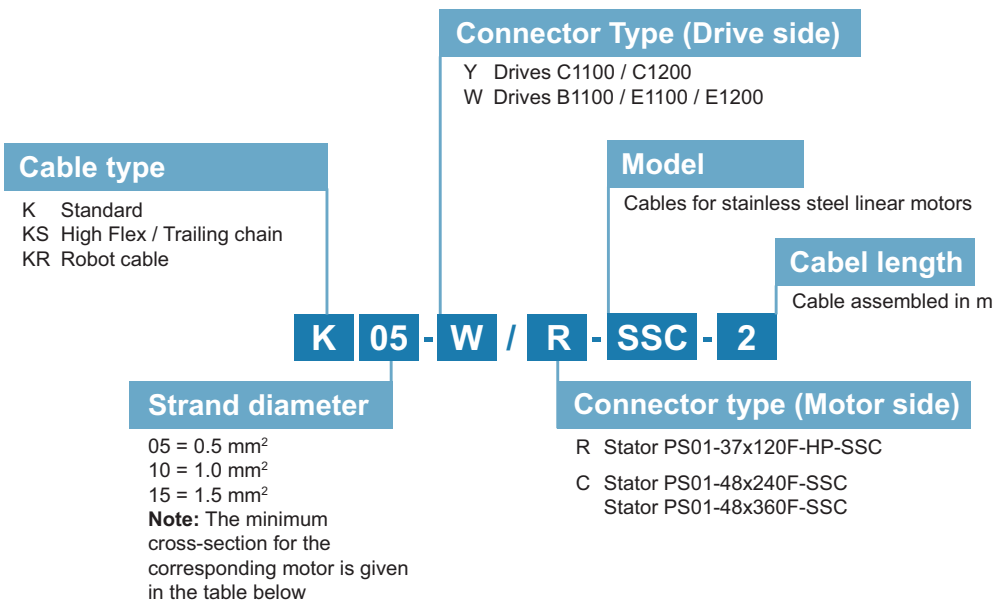
* ±270° / 0.5 m permitted for initialization.

TYPE CODE OF MOTOR CABLE FOR STANDARD LINEAR MOTORS



Minimum Strand Diameter						
	Max. Cont. Force [A rms]		Strand diameter according to DIN		Strand diameter according to UL	
	Passive cooling	Fan cooling	Passive cooling	Fan cooling	Passive cooling	Fan cooling
PS01-23x80	0.6	1.1	K(x)05	K(x)05	K(x)05	K(x)05
PS01-23x80F-HP	1.2	1.0	K(x)05	K(x)05	K(x)05	K(x)05
PS02-23Sx80	0.6	1.0	K(x)05	K(x)05	K(x)05	K(x)05
PS02-23Sx80F-HP	1.1	2.0	K(x)05	K(x)05	K(x)05	K(x)05
PS01-23x160	0.6	1.0	K(x)05	K(x)05	K(x)05	K(x)05
PS01-23x160F	0.8	1.6	K(x)05	K(x)05	K(x)05	K(x)05
PS01-23x160H-HP	1.8	2.7	K(x)05	K(x)05	K(x)05	K(x)05
PS01-37Sx60-HP	0.9	1.8	K(x)05	K(x)05	K(x)05	K(x)05
PS01-37x120	1.5	1.9	K(x)05	K(x)05	K(x)05	K(x)05
PS01-37x120F-HP	2.1	3.8	K(x)05	K(x)05	K(x)05	K(x)05
PS01-37Sx120F-HP	1.5	3.0	K(x)05	K(x)05	K(x)05	K(x)05
PS01-37x240	1.0	1.8	K(x)05	K(x)05	K(x)05	K(x)05
PS01-37x240F	1.5	2.8	K(x)05	K(x)05	K(x)05	K(x)05
PS01-48x240	2.7	4.7	K(x)05	K(x)05	K(x)05	K(x)10
PS01-48x240F	4.8	8.3	K(x)05	K(x)05	K(x)10	K(x)15
PS01-48x360F	4.6	7.9	K(x)05	K(x)05	K(x)10	K(x)15
P04-37x120F-HP	2.9	4.0	K(x)05	K(x)05	K(x)05	K(x)05
P04-48x240F	4.7	8.3	K(x)05	K(x)05	K(x)10	K(x)15

TYPE CODE OF MOTOR CABLE FOR STAINLESS STEEL LINEAR MOTORS

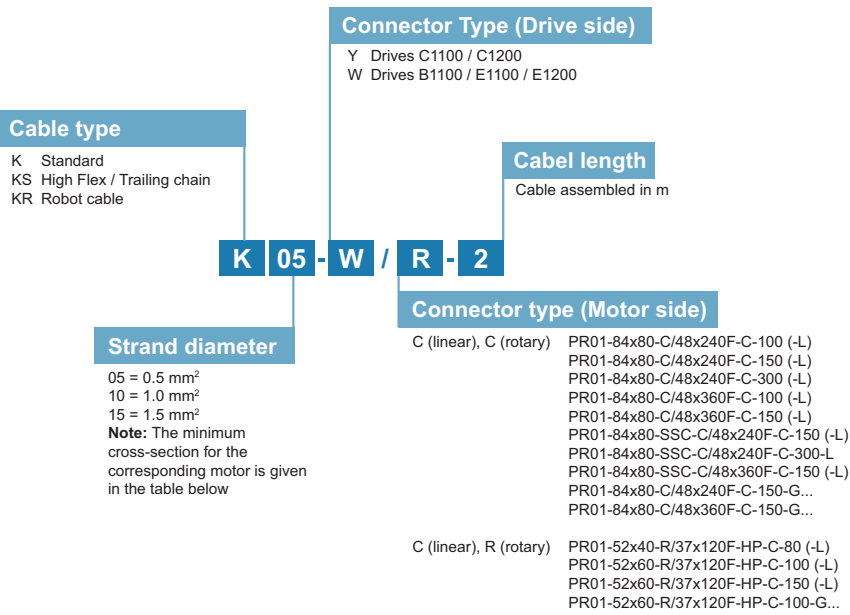


Minimum Strand Diameter						
	Max. Cont. Force [A rms]		Strand diameter according to DIN		Strand diameter according to UL	
	Passive cooling	Fluid cooling	Passive cooling	Fluid cooling	Passive cooling	Fluid cooling
PS01-37x120F-HP-SSC	1.3	3.4	K(x)05	K(x)05	K(x)05	K(x)05
PS01-48x240F-SSC	3.3	9.2	K(x)05	K(x)05	K(x)05	K(x)15*
PS01-48x360F-SSC	3.4	9.4	K(x)05	K(x)05	K(x)05	K(x)15**

*Up to max. cont. force 230 N rms
 **Up to max. cont. force 333 N rms

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TYPE CODE OF MOTOR CABLE FOR LINEAR ROTARY MOTORS



Minimum Strand Diameter (Linear Unit)						
	Max. Cont. Force [A rms]		Strand diameter according to DIN		Strand diameter according to UL	
	Passive cooling	Fan cooling	Passive cooling	Fan cooling	Passive cooling	Fan cooling
PR01-52x40-R/37x120F-HP-C-80 (-L)	2.1	3.8	K(x)05	K(x)05	K(x)05	K(x)05
PR01-52x60-R/37x120F-HP-C-100 (-L)	2.1	3.8	K(x)05	K(x)05	K(x)05	K(x)05
PR01-52x60-R/37x120F-HP-C-150 (-L)	2.1	3.8	K(x)05	K(x)05	K(x)05	K(x)05
PR01-84x80-C/48x240F-C-100 (-L)	4.8	8.3	K(x)05	K(x)05	K(x)10	K(x)15
PR01-84x80-C/48x240F-C-150 (-L)	4.8	8.3	K(x)05	K(x)05	K(x)10	K(x)15
PR01-84x80-C/48x240F-C-300 (-L)	4.8	8.3	K(x)05	K(x)05	K(x)10	K(x)15
PR01-84x80-C/48x360F-C-100 (-L)	4.6	7.9	K(x)05	K(x)05	K(x)10	K(x)15
PR01-84x80-C/48x360F-C-150 (-L)	4.6	7.9	K(x)05	K(x)05	K(x)10	K(x)15
PR01-84x80-SSC-C/48x240F-C-150 (-L)	4.8	8.3	K(x)05	K(x)05	K(x)10	K(x)15
PR01-84x80-SSC-C/48x240F-C-300-L	4.8	8.3	K(x)05	K(x)05	K(x)10	K(x)15
PR01-84x80-SSC-C/48x360F-C-150 (-L)	4.6	7.9	K(x)05	K(x)05	K(x)10	K(x)15
PR01-52x60-R/37x120F-HP-C-100-G...	2.1	3.8	K(x)05	K(x)05	K(x)05	K(x)15
PR01-84x80-C/48x240F-C-150-G...	4.8	8.3	K(x)05	K(x)05	K(x)10	K(x)15
PR01-84x80-C/48x360F-C-150-G...	4.6	7.9	K(x)05	K(x)05	K(x)10	K(x)15

Minimum Strand Diameter (Rotary Unit)						
	Max. Cont. Force [A rms]		Strand diameter according to DIN		Strand diameter according to UL	
	Passive cooling	Fan cooling	Passive cooling	Fan cooling	Passive cooling	Fan cooling
PR01-52x40-R/37x120F-HP-C-80 (-L)	1.2	1.8	K(x)05	K(x)05	K(x)05	K(x)05
PR01-52x60-R/37x120F-HP-C-100 (-L)	2.1	3.1	K(x)05	K(x)05	K(x)05	K(x)05
PR01-52x60-R/37x120F-HP-C-150 (-L)	2.1	3.1	K(x)05	K(x)05	K(x)05	K(x)05
PR01-84x80-C/48x240F-C-100 (-L)	3.9	5.5	K(x)05	K(x)05	K(x)05	K(x)10
PR01-84x80-C/48x240F-C-150 (-L)	3.9	5.5	K(x)05	K(x)05	K(x)05	K(x)10
PR01-84x80-C/48x240F-C-300 (-L)	3.9	5.5	K(x)05	K(x)05	K(x)05	K(x)10
PR01-84x80-C/48x360F-C-100 (-L)	3.9	5.5	K(x)05	K(x)05	K(x)05	K(x)10
PR01-84x80-C/48x360F-C-150 (-L)	3.9	5.5	K(x)05	K(x)05	K(x)05	K(x)10
PR01-84x80-SSC-C/48x240F-C-150 (-L)	3.9	5.5	K(x)05	K(x)05	K(x)05	K(x)10
PR01-84x80-SSC-C/48x240F-C-300-L	3.9	5.5	K(x)05	K(x)05	K(x)05	K(x)10
PR01-84x80-SSC-C/48x360F-C-150 (-L)	3.9	5.5	K(x)05	K(x)05	K(x)05	K(x)10
PR01-52x60-R/37x120F-HP-C-100-G...	2.1	3.1	K(x)05	K(x)05	K(x)05	K(x)10
PR01-84x80-C/48x240F-C-150-G...	3.9	5.5	K(x)05	K(x)05	K(x)05	K(x)10
PR01-84x80-C/48x360F-C-150-G...	3.9	5.5	K(x)05	K(x)05	K(x)05	K(x)10

MOTOR CABLE PER M

Item	Description	Item-No.
K05-04/05	Motor cable per m	0150-1920
K05-04/05-50	Motor cable 50 m roll	0150-1956
K05-04/05-100	Motor cable 100 m roll	0150-1957
K05-04/05-200	Motor cable 200 m roll	0150-1958
K15-04/05	Motor cable per m	0150-1978
K15-04/05-100	Motor cable 100 m roll	0150-1969
K15-04/05-050	Motor cable 50 m roll	0150-5495
KS03-09	Trailing chain cable per m (max. 6 m)	0150-2182
KS05-04/05	Trailing chain cable per m	0150-1938
KS05-04/05-100	Trailing chain cable 100 m roll	0150-1959
KS10-04/05	Trailing chain cable per m	0150-1977
KS10-04/05-100	Trailing chain cable 100 m roll	0150-1968
KR05-04/05	Robotic cable per m	0150-1846
KR05-04/05-100	Robotic cable 100 m roll	0150-1847
KR10-04/05	Robotic cable per m	0150-1830
KR10-04/05-100	Robotic cable 100 m roll	0150-1831

MOTOR CABLE FLAT FOR SHORT TYPE MOTORS P02-23Sx80-F

Item	Description	Item-No.
KF02-D15/F-0.08	Flat cable 0.08m, for PS02-23Sx80-F	0150-2150
KF02-D15/F-0.16	Flat cable 0.16m, for PS02-23Sx80-F	0150-2156
KF02-D15/F-0.32	Flat cable 0.32m, for PS02-23Sx80-F	0150-2152
KF02-D15/F-0.48	Flat cable 0.48m, for PS02-23Sx80-F	0150-2154
KF02-D15/F-0.70	Flat cable 0.70m, for PS02-23Sx80-F	0150-2158
K05-D/D15-1	Adapter cable D/D15,1m (for PS01-23Sx80)	0150-1936

MOTOR CABLE FOR LINEAR MOTORS WITH R CONNECTOR

Item	Description	Item-No.
K05-W/R-2	Motor cable W/R, 2 m	0150-2119
K05-W/R-3	Motor cable W/R, 3 m	0150-2459
K05-W/R-4	Motor cable W/R, 4 m	0150-2120
K05-W/R-6	Motor cable W/R, 6 m	0150-2121
K05-W/R-8	Motor cable W/R, 8 m	0150-2122
K05-W/R-10	Motor cable W/R, 10 m	0150-2132
K05-Y/R-2	Motor cable Y/R, 2 m	0150-2421
K05-Y/R-4	Motor cable Y/R, 4 m	0150-2422
K05-Y/R-6	Motor cable Y/R, 6 m	0150-2423
K05-Y/R-8	Motor cable Y/R, 8 m	0150-2424
K05-HI/R-2	Motor cable HI/R, 2 m	0150-2449
K05-HI/R-4	Motor cable HI/R, 4 m	0150-2450
KS05-W/R-4	Trailing chain cable W/R, 4 m	0150-2106
KS05-W/R-6	Trailing chain cable W/R, 6 m	0150-2131
KS05-W/R-8	Trailing chain cable W/R, 8 m	0150-2107
KS05-Y/R-4	Trailing chain cable Y/R, 4 m	0150-2433
KS05-Y/R-6	Trailing chain cable Y/R, 6 m	0150-2434
KS05-Y/R-8	Trailing chain cable Y/R, 8 m	0150-2435
KS05-R/R-2	Trailing chain cable R/R, 2 m	0150-1838
KS05-R/R-4	Trailing chain cable R/R, 4 m	0150-1839

MOTOR CABLE FOR LINEAR MOTORS WITH R-SSC CONNECTORS (STAINLESS STEEL)		
Item	Description	Item-No.
KS05-W/R-SSC-2	Trailing chain cable W/R-SSC, 2 m	0150-2683
KS05-W/R-SSC-4	Trailing chain cable W/R-SSC, 4 m	0150-2684
KS05-W/R-SSC-6	Trailing chain cable W/R-SSC, 6 m	0150-2685
KS05-W/R-SSC-8	Trailing chain cable W/R-SSC, 8 m	0150-2686
KS05-Y/R-SSC-2	Trailing chain cable Y/R-SSC, 2 m	0150-2687
KS05-Y/R-SSC-4	Trailing chain cable Y/R-SSC, 4 m	0150-2688
KS05-Y/R-SSC-6	Trailing chain cable Y/R-SSC, 6 m	0150-2689
KS05-Y/R-SSC-8	Trailing chain cable Y/R-SSC, 8 m	0150-2690

MOTOR CABLE FOR LINEAR MOTORS WITH C CONNECTOR		
Item	Description	Item-No.
K05-W/C-2	Motor cable W/C, 2 m	0150-2123
K05-W/C-4	Motor cable W/C, 4 m	0150-2124
K05-W/C-6	Motor cable W/C, 6 m	0150-2125
K05-W/C-8	Motor cable W/C, 8 m	0150-2126
K05-Y/C-2	Motor cable Y/C, 2 m	0150-2425
K05-Y/C-4	Motor cable Y/C, 4 m	0150-2426
K05-Y/C-6	Motor cable Y/C, 6 m	0150-2427
K05-Y/C-8	Motor cable Y/C, 8 m	0150-2428
K05-HI/C-2	Motor cable HI/C, 2 m	0150-2452
K05-HI/C-4	Motor cable HI/C, 4 m	0150-2451
K15-W/C-2	Motor cable W/C, 2 m	0150-1811
K15-W/C-4	Motor cable W/C, 4 m	0150-1801
K15-W/C-5	Motor cable W/C, 5 m	0150-1849
K15-W/C-6	Motor cable W/C, 6 m	0150-1802
K15-W/C-8	Motor cable W/C, 8 m	0150-1803
K15-Y/C-2	Motor cable Y/C, 2 m	0150-2429
K15-Y/C-4	Motor cable Y/C, 4 m	0150-2430
K15-Y/C-6	Motor cable Y/C, 6 m	0150-2431
K15-Y/C-8	Motor cable Y/C, 8 m	0150-2432
K15-HI/C-2	Motor cable HI/C, 2 m	0150-2453
K15-HI/C-4	Motor cable HI/C, 4 m	0150-2458
KS05-W/C-4	Trailing chain cable W/C, 4 m	0150-2127
KS05-W/C-6	Trailing chain cable W/C, 6 m	0150-2128
KS05-W/C-8	Trailing chain cable W/C, 8 m	0150-2129
KS05-Y/C-4	Trailing chain cable Y/C, 4 m	0150-2436
KS05-Y/C-6	Trailing chain cable Y/C, 6 m	0150-2437
KS05-Y/C-8	Trailing chain cable Y/C, 8 m	0150-2438
KS05-C/C-2	Trailing chain cable C/C, 2 m	0150-1827
KS05-C/C-4	Trailing chain cable C/C, 4 m	0150-1828
KS10-W/C-4	Trailing chain cable W/C, 4 m	0150-1807
KS10-W/C-5	Trailing chain cable W/C, 5 m	0150-1860
KS10-W/C-6	Trailing chain cable W/C, 6 m	0150-1858
KS10-W/C-8	Trailing chain cable W/C, 8 m	0150-1808
KS10-Y/C-4	Trailing chain cable Y/C, 4 m	0150-2439
KS10-Y/C-6	Trailing chain cable Y/C, 6 m	0150-2440
KS10-Y/C-8	Trailing chain cable Y/C, 8 m	0150-2441
KS10-C/C-2	Trailing chain cable C/C, 2 m	0150-1816
KS10-C/C-4	Trailing chain cable C/C, 4 m	0150-1817

MOTOR CABLE FOR LINEAR MOTORS WITH C-SSC CONNECTORS (STAINLESS STEEL)

Item	Description	Item-No.
KS10-W/C-SSC-2	Trailing chain cable W/C-SSC, 2 m	0150-2675
KS10-W/C-SSC-4	Trailing chain cable W/C-SSC, 4 m	0150-2676
KS10-W/C-SSC-6	Trailing chain cable W/C-SSC, 6 m	0150-2677
KS10-W/C-SSC-8	Trailing chain cable W/C-SSC, 8 m	0150-2678
KS10-Y/C-SSC-2	Trailing chain cable Y/C-SSC, 2 m	0150-2679
KS10-Y/C-SSC-4	Trailing chain cable Y/C-SSC, 4 m	0150-2680
KS10-Y/C-SSC-6	Trailing chain cable Y/C-SSC, 6 m	0150-2681
KS10-Y/C-SSC-8	Trailing chain cable Y/C-SSC, 8 m	0150-2682

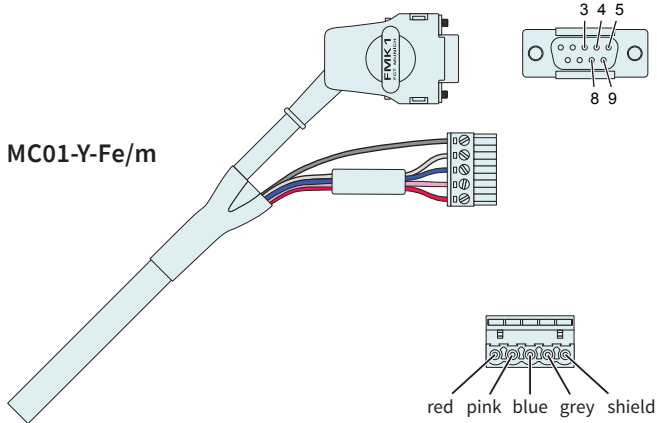
MOTOR CABLE FOR SHORT TYPE MOTORS P02-23Sx80-F-HP-K

Item	Description	Item-No.
KS03-W-Fe/K-2	Trailing chain cable W-Fe/K 2 m	0150-2187
KS03-W-Fe/K-4	Trailing chain cable W-Fe/K 4 m	0150-2369
KS03-W-Fe/K-6	Trailing chain cable W-Fe/K 6 m	0150-2370
KS03-Y-Fe/K-2	Trailing chain cable Y-Fe/K, 2 m	0150-2446
KS03-Y-Fe/K-4	Trailing chain cable Y-Fe/K, 4 m	0150-2447
KS03-Y-Fe/K-6	Trailing chain cable Y-Fe/K, 6 m	0150-2448
KS03-R/K-1	Trailing chain cable R/K 1 m	0150-2185
KS03-R/K-2	Trailing chain cable R/K 2 m	0150-2186

MOTOR CABLE FOR SHORT TYPE MOTORS P01-37SX...-HP-N

Item	Description	Item-No.
KS05-W/N-2	Trailing chain cable W/N, 2 m	0150-2296
KS05-W/N-4	Trailing chain cable W/N, 4 m	0150-2297
KS05-W/N-6	Trailing chain cable W/N, 6 m	0150-2298
KS05-W/N-8	Trailing chain cable W/N, 8 m	0150-2299
KS05-Y/N-2	Trailing chain cable Y/N, 2 m	0150-2442
KS05-Y/N-4	Trailing chain cable Y/N, 4 m	0150-2443
KS05-Y/N-6	Trailing chain cable Y/N, 6 m	0150-2444
KS05-Y/N-8	Trailing chain cable Y/N, 8 m	0150-2445

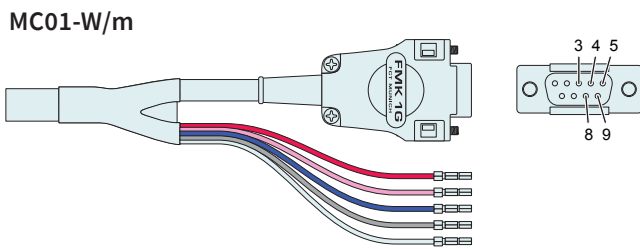
Y-CONNECTOR



Strand red	Phase 1+	red
Strand pink	Phase 1-	pink
Strand blue	Phase 2+	blue
Strand grey	Phase 2-	grey
3	+5V	white
8	GND	inner Shield
4	Sensor Sine	yellow
9	Sensor Cosine	green
5	Temp. Sensor	black
Shield	Shield	Outer shield

Item	Description	Item-No.
MC01-Y-Fe/m	Motor connector Y-Fe/m	0150-3289
MC01-Y-Fe/m-as (assembled)	Y/m-Connector assembled	0150-3500

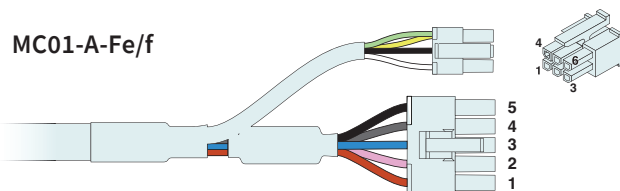
W-CONNECTOR



Strand red	Phase 1+	red
Strand pink	Phase 1-	pink
Strand blue	Phase 2+	blue
Strand grey	Phase 2-	grey
3	+5V	white
8	GND	inner Shield
4	Sensor Sine	yellow
9	Sensor Cosine	green
5	Temp. Sensor	black
Shield	Shield	Outer Shield

Item	Description	Item-No.
MC01-W/m	Motor connector W/m	0150-3140
MC01-W/m-as (assembled)	W/m-Connector assembled	0150-3147

A-CONNECTOR



Power

1	Phase 1+	red
2	Phase 1-	pink
3	Phase 2+	blue
4	Phase 2-	grey
5	Shield	Outer Shield

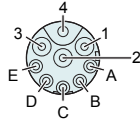
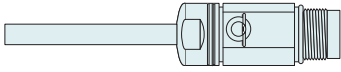
Signal

1	GND	brown (Kx03) / Drain wire inner shield (Kx05)
2	Temp. Sensor	black
3	Sensor Sine	yellow
4	+5V	white
5	n. c.	n. c.
6	Sensor Cosine	green

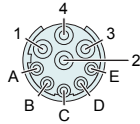
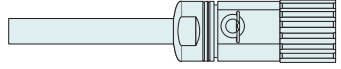
Item	Description	Item-No.
MC01-A-Fe/f-as	A-Fe/f-connector assembled	0150-3541

R-CONNECTOR

MC01-R/m



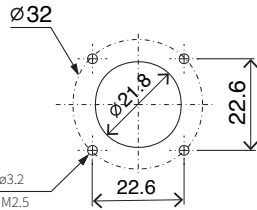
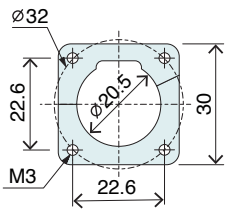
MC01-R/f



1	Phase 1+	red
2	Phase 1-	pink
3	Phase 2+	blue
4	Phase 2-	grey
A	+5V	white
B	GND	inner Shield
C	Sensor Sine	yellow
D	Sensor Cosine	green
E	Temp. Sensor	black
Housing	Shield	Outer Shield

MC01-F/R

Mounting window



Back panel mounting:ø3.2
Front panel mounting:M2.5

Item	Description	Item-No.
MC01-R/m	Motor connector R/m	0150-3130
MC01-R/f	Motor connector R/f	0150-3129
MC01-R/m-as (assembled)	R/m-Connector assembled	0150-3097
MC01-R/f-as (assembled)	R/f-Connector assembled	0150-3143
MC01-F/R	Mounting flange for connector MC01-R	0150-3253
MC01-R/m-cap (Kappe)	Metal protection cap for R/m (Motor)	0150-3376
MC01-R/f-cap (Kappe)	Metal protection cap for R/f (Cable)	0150-3377

MC01-R/m-cap

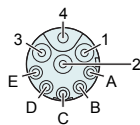
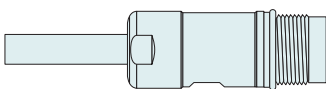


MC01-R/f-cap

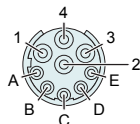
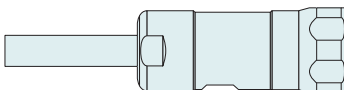


R-CONNECTOR STAINLESS STEEL

MC01-R/m-IP69K-SSC



MC01-R/f-IP69K-SSC



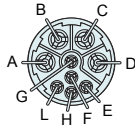
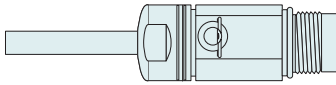
1	Phase 1+	red
2	Phase 1-	pink
3	Phase 2+	blue
4	Phase 2-	grey
A	+5V	white
B	GND	inner Shield
C	Sensor Sine	yellow
D	Sensor Cosine	green
E	Temp. Sensor	black
Housing	Shield	Outer Shield

Item	Description	Item-No.
MC01-R/m-IP69K-SSC	Motor connector R/m-SSC	0150-3381
MC01-R/f-IP69K-SSC	Motor connector R/f, IP69k, SSC	0150-3347
MC01-R/m-IP69K-SSC-as (assembled)	R/m-Connector IP69K, SSC, assembled	0150-3685
MC01-R/f-IP69K-SSC-as (assembled)	R/f-Connector IP69K, SSC, assembled	0150-3343

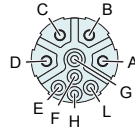
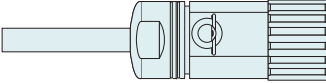
Material: Stainless steel, Mat-Nr. 1.4404

C-CONNECTOR

MC01-C/m

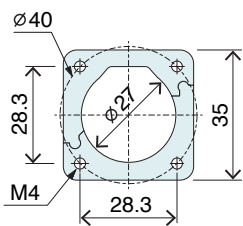


MC01-C/f

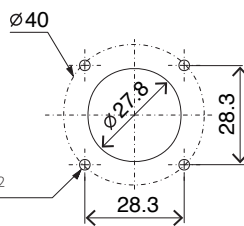


A	Phase 1+	red
B	Phase 1-	pink
C	Phase 2+	blue
D	Phase 2-	grey
E	+5V	white
F	GND	inner Shield
G	Sensor Sine	yellow
H	Sensor Cosine	green
L	Temp. Sensor	black
Housing	Shield	Outer Shield

MC01-F/C



Mounting window



Item	Description	Item-No.
MC01-C/m	Motor connector C/m	0150-3093
MC01-C/f	Motor connector C/f	0150-3080
MC01-C/m-as (assembled)	C/m-Connector assembled	0150-3099
MC01-C/f-as (assembled)	C/f-Connector assembled	0150-3146
MC01-F/C Steckerflansch	Mounting flange for connector MC01-C	0150-3254
MC01-C/m-cap (Kappe)	Metal protection cap for C/m (Motor)	0150-3378
MC01-C/f-cap (Kappe)	Metal protection cap for C/f (Cable)	0150-3379

MC01-C/m-cap

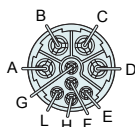
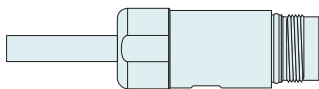


MC01-R/m-cap

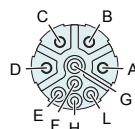
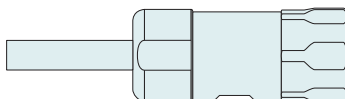


C-CONNECTOR INOX

MC01-C/m-IP69K-SSC



MC01-C/f-IP69K-SSC



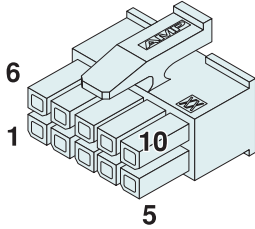
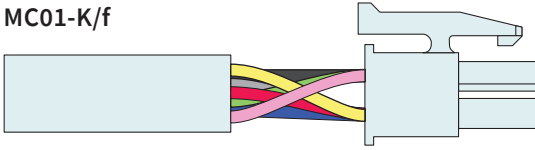
A	Phase 1+	red
B	Phase 1-	pink
C	Phase 2+	blue
D	Phase 2-	grey
E	+5V	white
F	GND	inner Shield
G	Sensor Sine	yellow
H	Sensor Cosine	green
L	Temp. Sensor	black
Housing	Shield	Outer Shield

Item	Description	Item-No.
MC01-C/m-IP69K-SSC	Motor connector C/m-SSC	0150-3372
MC01-C/f-IP69K-SSC	Motor connector C/f, IP69K, SSC	0150-3306
MC01-C/m-IP69K-SSC as (assembled)	Motor connector C/m, IP69K, SSC assembled	0150-3404
MC01-C/f-IP69K-SSC-as (assembled)	C/f-Connector IP69K, SSC assembled	0150-3325

Material: Stainless steel, Mat-Nr. 1.4404

K-CONNECTOR

MC01-K/f

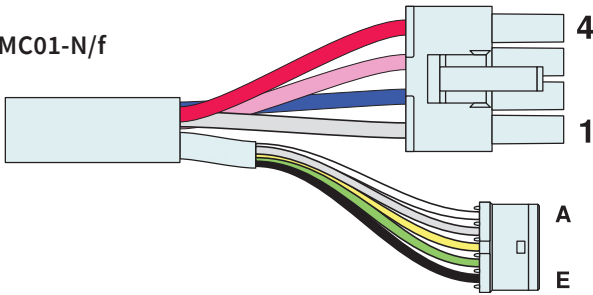


1	Phase 1+	red
2	Phase 2+	blue
4	Phase 1-	pink
5	Phase 2-	grey
9	+5V	white
8	GND	brown
6	Sensor Sine	yellow
7	Sensor Cosine	green
10	Temp. Sensor	black
Shield	Shield	Outer Shield

Item	Description	Item-No.
MC01-K/f	Motor connector K (f)	0150-3345
MC01-K/f-as (assembled)	K/f-Connector assembled	0150-3346

N-CONNECTOR

MC01-N/f

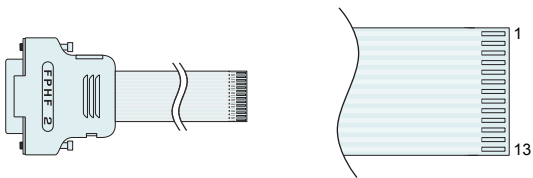


4	Phase 1+	red
3	Phase 1-	pink
2	Phase 2+	blue
1	Phase 2-	grey
A	+5V	white
B	GND	inner Shield
C	Sensor Sine	yellow
D	Sensor Cosine	green
E	Temp. Sensor	black
	Housing	Outer shield

Item	Description	Item-No.
MC01-N/f	Motor connector N/f	0150-3407
MC01-N/f-as (assembled)	N/f-Connector assembled	0150-3408

F-CONNECTOR

14



MC01-D15W/f

ZIF-Line Molex
pitch 1.25 mm

12 & 13	Phase 1+	12 & 13
3 & 4	Phase 1-	3 & 4
10 & 11	Phase 2+	10 & 11
1 & 2	Phase 2-	1 & 2
5	+5V	5
7	GND	7
9	Sensor Sine	9
8	Sensor Cosine	8
6	Temp. Sensor	6

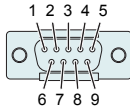
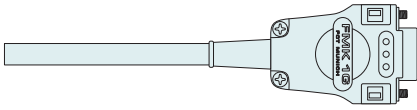
Item	Description	Item-No.
KF02-D15/F-...	Flat cable with D15/m-Connector	see section ordering information / Motor cable flat for short motors P02-23Sx80-F



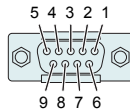
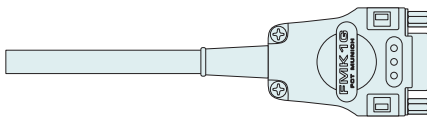
Plugging in or unplugging the flat ribbon cable under voltage can damage the motor and drive.

D-CONNECTOR

MC01-D/m



MC01-D/f

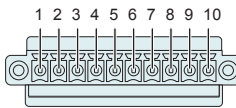
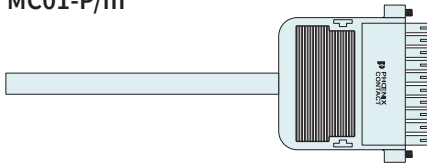


1	Phase 1+	red
6	Phase 1-	pink
2	Phase 2+	blue
7	Phase 2-	grey
3	+5V	white
8	GND	inner Shield
4	Sensor Sine	yellow
9	Sensor Cosine	green
5	Temp. Sensor	black
Housing	Shield	Outer Shield

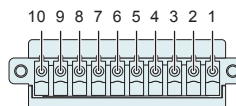
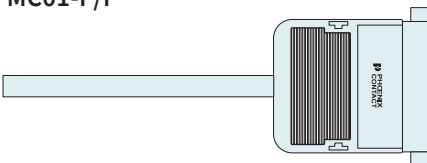
Item	Description	Item-No.
MC01-D/m	Motor connector D (m)	0150-3024
MC01-D/f	Motor connector D (f)	0150-3025
MC01-D/m-as (assembled)	D/m-Connector assembled	0150-3055
MC01-D/f-as (assembled)	D/f-Connector assembled	0150-3142

P-CONNECTOR

MC01-P/m



MC01-P/f

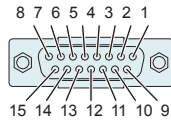
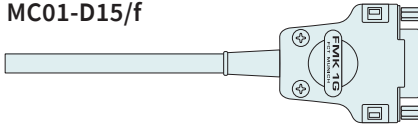


1	Phase 1+	red
2	Phase 1-	pink
3	Phase 2+	blue
4	Phase 2-	grey
5	+5V	white
6	GND	inner Shield
7	Sensor Sine	yellow
8	Sensor Cosine	green
9	Temp. Sensor	black
10	Shield	Outer Shield

Item	Description	Item-No.
MC01-P/m	Motor connector P (m)	0150-3020
MC01-P/f	Motor connector P (f)	0150-3021
MC01-P/m-as (assembled)	P/m-Connector assembled	0150-3056
MC01-P/f-as (assembled)	P/f-Connector assembled	0150-3144

D15-CONNECTOR

MC01-D15/f

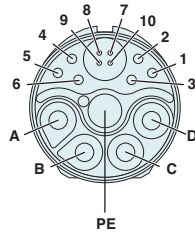
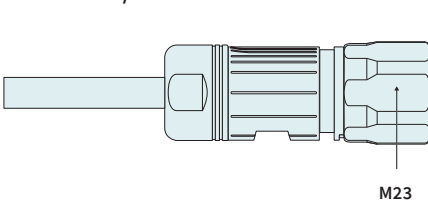


7 & 15	Phase 1+	red
3 & 10	Phase 1-	pink
6 & 14	Phase 2+	blue
2 & 9	Phase 2-	grey
11	+5V	white
12	GND	inner Shield
13	Sensor Sine	yellow
5	Sensor Cosine	green
4	Temp. Sensor	black
Housing	Shield	Outer shield

Item	Description	Item-No.
MC01-D15/f	Motor connector D15 (f)	0150-3136
MC01-D15/f-as (assembled)	D15/f-Connector assembled	0150-3073

E6k-CONNECTOR EX

MC01-E6k/f-EX



A	Phase 1+	red
B	Phase 1-	pink
C	Phase 2+	blue
D	Phase 2-	grey
PE	Protective Earth	green-yellow
1	+5V	white
2	GND	Inner shield (Signal Leads)
3	Sensor Sine	yellow
4	Sensor Cosine	green
5	Temp. Sensor	black
6	n.c.	-
7	Kty 1+	orange
8	Kty 1-	brown
9	Kty 2+	violett
10	Kty 2-	beige
Housing	Shield	Inner shield (Kty Leads) Outer shield

Item	Description	Item-No.
MC01-E6k/f-EX	Connector with hexagonal union nut	0150-3538
MC01-E6k/f-EX-as	E/f-Connector with hexagonal union nut assembled	0150-3641