

- ↘ Industrial grade products
- ↘ Tamper-proof
- ↘ Tightly sealed

PREASSEMBLED POWER CONNECTORS

by Murrelektronik





FACTS ABOUT MURRELEKTRONIK

- Worldwide presence with 24 branches and numerous partners
- More than 2,000 employees
- Turnover of 244 million EUR
- 2 million articles in stock, ensuring fast deliveries
- 42,000 different products

MURRELEKTRONIK PROVIDES

- System solutions for diverse applications
- Robust products
- Sophisticated logistics for fast deliveries

CONNECTING MOTORS IN A JIFFY

Power cordsets from Murrelektronik make connecting motors child's play.

- The M12 Power is an extremely compact and high performing M12 connector.
- The new standard connection technology of the MQ15-X Power enables particularly fast installation.
- The M23 connector from Murrelektronik is a proven standard solution for connecting servo motors.

Perfect electrical connection, tightness and media resistance are the basic requirements for all types of connectors. In the field of motor connection technology, additional special properties are required: large connection cross-sections, high performance with the smallest possible design and – most importantly – integrated anti-vibration locks that keep the connector securely in place even if severe vibrations occur. A handy wrench flat makes for easy installation using a suitable torque wrench.

Murrelektronik offers power cordsets that satisfy these requirements for various applications and motor types. Even small quantities are available and they come in many variants with cables that are precisely cut to the length required for the respective application.

DID YOU KNOW...?

All Murrelektronik cables offer superb and verified quality. Our know-how on power cables is based on many years of experience in manufacturing M8 and M12 cordsets for the sensor/actuator level.





MOTOR CONNECTORS FROM MURRELEKTRONIK

CORDSETS FOR LINEAR DRIVES, STEPPER MOTORS AS WELL AS POWER SUPPLY LINES FOR FIELD BUS MODULES



M12 POWER CORDSETS

- High current transmission values (up to 12 A/16 A continuous load per PIN) at a voltage of 630 V AC/DC or 63 V AC/DC.
- A coding arrow on the molding and both a knurled ring to allow for finger tightening as well as a hex nut to be used with the Murrelektronik torque wrench ensures fast and secure installation.
- Gold plated contacts guarantee secure contact for power transmission. The complete molding of the connectors ensures a sealed connection according to protection class IP67.
- available in: K, L, S, T.

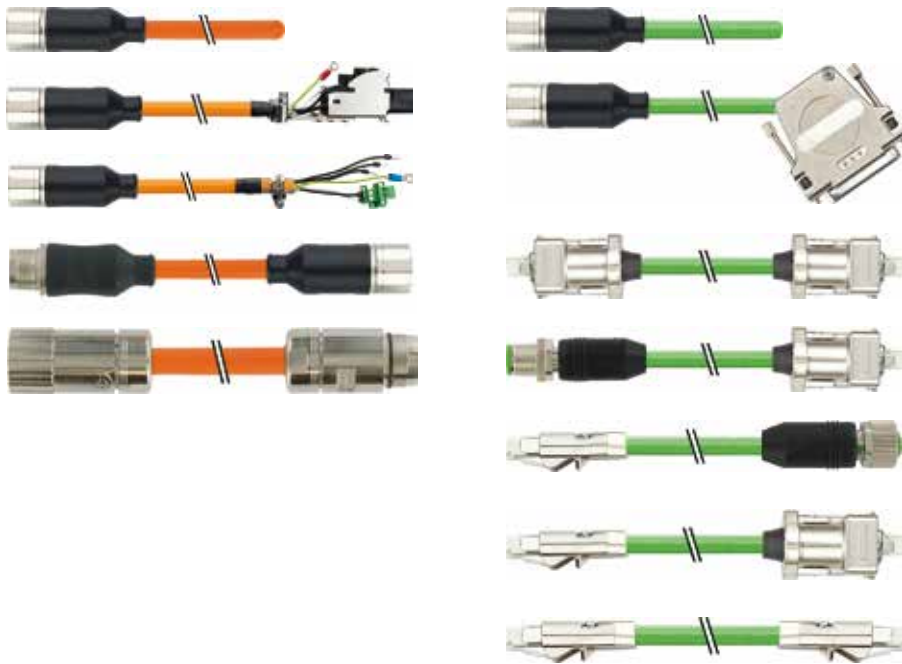
CORDSETS FOR AC/DC MOTORS UP TO 7.5 KW



MQ15 X POWER CORDSETS

- High current transmission values (up to 16 A continuous load) at a voltage of 630 V AC/DC.
- Silver plated contacts guarantee more than 500 mating cycles. The complete molding of the connectors ensures sealed connection according to protection class IP67.
- The X-TEC quick lock technology reduces the connection time – a quarter turn will connect the MQ15 X and it is highly resistance to shock and vibration.
- The MQ15 X Power flange converts motors to a plug-in solution. The cordsets is easily installed using the M20×1.5 thread – without adapters or any special mechanical solutions.

CORDSETS FOR SERVO DRIVES



POWER AND SIGNAL CORDSETS

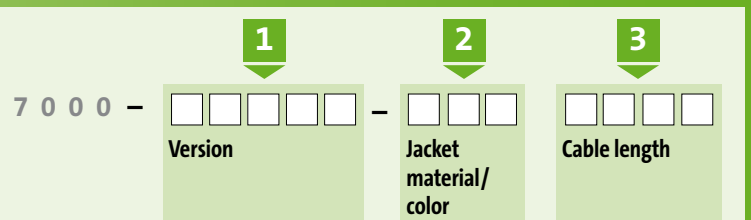
- Murrelektronik cordsets connect servo controllers to motors.
- M23, M40 and M58 cordsets with different contact configurations are available on the motor side.
- On the servo controller side, Murrelektronik offers perfectly fitting cordsets for connecting power cables to the controller (different configurations or open ends).
- Signal cables with Sub-D connector.
- Drive Cliq program with many variants including M12.



The modular structure of our article numbers

Variable product structure – the concept for your customized individual application solution. We have designed our cordset range in a structured and modular manner.

The article number for our **M12 Power** and **MQ15X** cordsets consists of three blocks for version, jacket material/color and cable length. Cable length from 2 m in steps of 0.5 m.



EXAMPLE

Block 1: Version **P 4 2 0 1** for M12 power connec. 0°, 5-pole, L-coded
Block 2: Jacket material/color **P 0 4** for cable type PUR (UL/CSA), black
Block 3: Cable length **0 1 5 0** for 1.5 m cable length

The entire article number in this example is:

7 0 0 0 - P 4 2 0 1 - P 0 4 0 1 5 0



M12 POWER CONNECTORS SMALL AND POWERFUL

TIGHTLY SEALED – 63 V/16 A OR 630 V/12 A

The new Murrelektronik M12 Power is a small and high performing M12 cordset. It is a reliable solution for linear drives, stepper motors as well as power supply lines for field bus modules. It presents a compact alternative to 7/8" cordsets in applications that require high power density.

The cordsets are molded with highly-resistant, halogen-free PUR material, which makes them suitable for harsh industrial applications. The integrated anti-vibration lock ensures safe connections, even when exposed to shock or vibration.

- Small M12 Power cordsets for up to 5 x 2.5 mm²
- For loads up to 16 A per pin
- Universal M12 contact arrangements to prevent wrong contacts
- Resistant to shock and vibration due to integrated anti-vibration lock
- Standardized according to IEC 61076-2-111

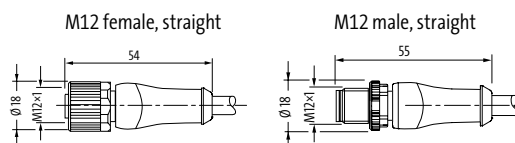
M12 POWER CORDSETS



DESCRIPTION

- Straight M12 female to straight M12 male cordsets
- Straight M12 connector with open ends
- Straight M12 female with open ends
- Flange connector / flange female
- Manually configurable variants
- PUR cables, suitable for cable tracks and torsion-resistant
- Wrench flat SW17
- Corrugated tube connection
- Integrated snap lock

DIMENSION DRAWING OF M12 POWER










TECHNICAL DATA OF M12 POWER






General data	T-coding	S-coding	L-coding	K-coding
Contact arrangement	4	3 + PE	4 + FE	4 + PE
Temperature range (°C)	-25 ... +85	-25 ... +85	-25 ... +85	-25 ... +85
Protection when plugged	IP65/67	IP65/67	IP65/67	IP65/67
Enclosure EMC shielding	No	No	No	No
Lock / thread type	threaded / M12x1	threaded / M12x1	threaded / M12x1	threaded / M12x1
Min. mating cycles	500	500	500	500
Tightening torque (Nm)	0.6	0.6	0.6	0.6
Wire cross section (mm ²)	1.5	1.5	1.5	1.5
Standardization / approval	IEC 61076-2-111	IEC 61076-2-111	IEC 61076-2-111	IEC 61076-2-111
Electrical data	T-coding	S-coding	L-coding	K-coding
Rated current (A)	12	12	16	12
Rated voltage (V)	63 DC	630 AC	63 DC	630 AC

ORDER DATA FOR T-CODED M12 POWER

Open ends	Description	1.5 m	3.0 m	5.0 m	7.5 m	10.0 m
	4-pole Straight male	7000-P7201-P070150	7000-P7201-P070300	7000-P7201-P070500	7000-P7201-P070750	7000-P7201-P071000
	4-pole Straight female	7000-P7221-P070150	7000-P7221-P070300	7000-P7221-P070500	7000-P7221-P070750	7000-P7221-P071000
Connecting cable	Description	1.5 m	3.0 m	5.0 m	7.5 m	10.0 m
	4-pole Straight male/ straight female	7000-P7241-P070150	7000-P7241-P070300	7000-P7241-P070500	7000-P7241-P070750	7000-P7241-P071000
Flanges	Description	0.2 m	0.5 m	1.0 m		
	4-pole Front wall assembly Male with wire	7000-P7281-9410020	7000-P7281-9410050	7000-P7281-9410100		
	4-pole Front wall assembly Female with wire	7000-P7291-9410020	7000-P7291-9410020	7000-P7291-9410100		
Field-wireable	Description					
	4-pole Male	7000-P7391-0000000				
	4-pole Female	7000-P7411-0000000				

ORDER DATA FOR S-CODED M12 POWER

Open ends	Description	1.5 m	3.0 m	5.0 m	7.5 m	10.0 m
	4-pole Straight male	7000-P6201-P060150	7000-P6201-P060300	7000-P6201-P060500	7000-P6201-P060750	7000-P6201-P061000
	4-pin Straight female	7000-P6221-P060150	7000-P6221-P060300	7000-P6221-P060500	7000-P6221-P060750	7000-P6221-P061000
Connecting cable	Description	1.5 m	3.0 m	5.0 m	7.5 m	10.0 m
	4-pole Straight male/ straight female	7000-P6241-P060150	7000-P6241-P060300	7000-P6241-P060500	7000-P6241-P060750	7000-P6241-P061000
Flanges	Description	0.2 m	0.5 m	1.0 m		
	4-pole Front wall assembly Male with wire	7000-P6281-9400020	7000-P6281-9400050	7000-P6281-9400100		
	4-pole Front wall assembly Female with wire	7000-P6291-9400020	7000-P6291-9400050	7000-P6291-9400100		
Field-wireable	Description					
	4-pin Male	7000-P6391-0000000				
	4-pin Female	7000-P6411-0000000				

ORDER DATA FOR L-CODED M12 POWER

Open ends	Description	1.5 m	3.0 m	5.0 m	7.5 m	10.0 m
	5-pin Straight male	7000-P4201-P040150	7000-P4201-P040300	7000-P4201-P040500	7000-P4201-P040750	7000-P4201-P041000
	5-pin Straight female	7000-P4221-P040150	7000-P4221-P040300	7000-P4221-P040500	7000-P4221-P040750	7000-P4221-P041000
Connecting cable	Description	1.5 m	3.0 m	5.0 m	7.5 m	10.0 m
	5-pole Straight male/ straight female	7000-P4241-P040150	7000-P4241-P040300	7000-P4241-P040500	7000-P4241-P040750	7000-P4241-P041000
Flanges	Description	0.2 m	0.5 m	1.0 m		
	5-pole Front wall assembly Male with wire	7000-P4281-9800020	7000-P4281-9800050	7000-P4281-9800100		
	5-pole Front wall assembly Female with wire	7000-P4291-9800020	7000-P4291-9800050	7000-P4291-9800100		

ORDER DATA FOR K-CODED M12 POWER

Open ends	Description	1.5 m	3.0 m	5.0 m	7.5 m	10.0 m
	5-pin Straight male	7000-P3201-P050150	7000-P3201-P050300	7000-P3201-P050500	7000-P3201-P050750	7000-P3201-P051000
	5-pin Straight female	7000-P3221-P050150	7000-P3221-P050300	7000-P3221-P050500	7000-P3221-P050750	7000-P3221-P051000
Connecting cable	Description	1.5 m	3.0 m	5.0 m	7.5 m	10.0 m
	5-pole Straight male/ straight female	7000-P3241-P050150	7000-P3241-P050300	7000-P3241-P050500	7000-P3241-P050750	7000-P3241-P051000
Flanges	Description	0.2 m	0.5 m	1.0 m		
	5-pole Front wall assembly Male with wire	7000-P3281-9880020	7000-P3281-9880050	7000-P3281-9880100		
	5-pole Front wall assembly Female with wire	7000-P3291-9880020	7000-P3291-9880050	7000-P3291-9880100		



MQ15 X POWER CONNECTORS

SMALL AND POWERFUL

POWERFUL COMPACT POWER CORDSETS

The new MQ15 X Power is a very compact and high performing cordsets that is highly suitable for power distribution and enables secure connection of devices such as AC/DC motors up to 7.5 kW (depending on system dimensioning). The X-Tec connection technology ensures fast and sealed installation in just a quarter of a turn.

- Quick locking system for minimized installation time
- 3 power contacts up to 16 A, 2 auxiliary contacts up to 10 A, PE
- Compact design even with larger cable cross-sections
- Tamper-proof due to complete molding
- Suitable for industrial applications due to kink and vibration protection

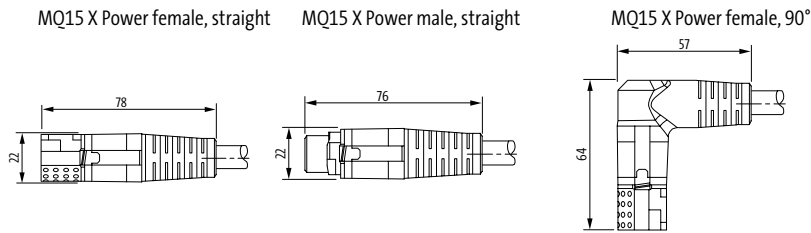
MQ15 X POWER



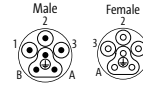
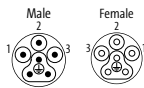
DESCRIPTION

- Straight MQ15 female to straight MQ15 male cordsets
- Straight MQ15 male with open ends
- Straight MQ15 female with open ends
- MQ15 female 90° to the left or right with open ends
- Flange female / flange male
- PUR cables, suitable for drag chains and torsion-resistant
- Quick connection technology
- Approval according to VDE, CSA and UL

DIMENSION DRAWING OF MQ15 X POWER



TECHNICAL DATA OF MQ15 X POWER



General data	4-pole	6-pole
Contact arrangement	3 + PE	3 + PE + 2
Temperature range (°C)		
Mobile installation:	-20 ... +60	-20 ... +60
Fixed installation:	-25 ... +80	-25 ... +80
Protection when plugged	IP67	IP67
Enclosure EMC shielding	No	No
Locking mechanism	Quick connect	Quick connect
Min. mating cycles	500	500
Tightening torque (Nm)	–	–
Wire cross section (mm²)	1.5 2.5	1.5 2.5
Standardization / approval	UL + CSA	UL + CSA
Electrical data	4-pole	6-pole
Rated current (A)	13 (1.5 mm²) 16 (2.5 mm²)	13 (1.5 mm²) 16 (2.5 mm²)
Rated voltage AC/DC (V)	630	630

ORDER DATA MQ15X POWER | 4-POLE

Open ends	Description	1.0 m	2.0 m	3.0 m	5.0 m	10.0 m
	3 + PE Straight male, 4 x 1.5	7000-P8201-P020100	7000-P8201-P020200	7000-P8201-P020300	7000-P8201-P020500	7000-P8201-P021000
	3 + PE Straight male, 4 x 2.5	7000-P8201-P030100	7000-P8201-P030200	7000-P8201-P030300	7000-P8201-P030500	7000-P8201-P031000
	3 + PE Straight female, 4 x 1.5	7000-P8221-P020100	7000-P8221-P020200	7000-P8221-P020300	7000-P8221-P020500	7000-P8221-P021000
	3 + PE Straight female, 4 x 2.5	7000-P8221-P030100	7000-P8221-P030200	7000-P8221-P030300	7000-P8221-P030500	7000-P8221-P031000
	3 + PE Female 90°, right, 4 x 1.5	7000-P8231-P020100	7000-P8231-P020200	7000-P8231-P020300	7000-P8231-P020500	7000-P8231-P021000
	3 + PE Female 90°, right, 4 x 2.5	7000-P8231-P030100	7000-P8231-P030200	7000-P8231-P030300	7000-P8231-P030500	7000-P8231-P031000
	3 + PE Female 90°, left, 4 x 1.5	7000-P8232-P020100	7000-P8232-P020200	7000-P8232-P020300	7000-P8232-P020500	7000-P8232-P021000
	3 + PE Female 90°, left, 4 x 2.5	7000-P8232-P030100	7000-P8232-P030200	7000-P8232-P030300	7000-P8232-P030500	7000-P8232-P031000
Connecting cable	Description	1.0 m	2.0 m	3.0 m	5.0 m	10.0 m
	3 + PE Straight male/ Straight female, 4 x 1.5	7000-P8241-P020100	7000-P8241-P020200	7000-P8241-P020300	7000-P8241-P020500	7000-P8241-P021000
	3 + PE Straight male/ Straight female, 4 x 2.5	7000-P8241-P030100	7000-P8241-P030200	7000-P8241-P030300	7000-P8241-P030500	7000-P8241-P031000
Flanges	Description	0.15 m	0.25 m			
	3 + PE Front wall assembly Male with wire, 4 x 1.5	7000-P8081-P810015	7000-P8081-P810025			
	3 + PE Front wall assembly Male with wire, 4 x 2.5	7000-P8081-P820015	7000-P8081-P820025			

ORDER DATA MQ15X POWER | 6-POLE

Open ends	Description	1.0 m	2.0 m	3.0 m	5.0 m	10.0 m
	3 + PE + 2 Straight male, 6 x 2.5	7000-P8101-P010100	7000-P8101-P010200	7000-P8101-P010300	7000-P8101-P010500	7000-P8101-P011000
	3 + PE + 2 Straight female, 6 x 2.5	7000-P8121-P010100	7000-P8121-P010200	7000-P8121-P010300	7000-P8121-P010500	7000-P8121-P011000
	3 + PE + 2 Female 90°, right, 6 x 2.5	7000-P8131-P010100	7000-P8131-P010200	7000-P8131-P010300	7000-P8131-P010500	7000-P8131-P011000
	3 + PE + 2 Female 90°, left, 6 x 2.5	7000-P8132-P010100	7000-P8132-P010200	7000-P8132-P010300	7000-P8132-P010500	7000-P8132-P011000
Connecting cable	Description	1.0 m	2.0 m	3.0 m	5.0 m	10.0 m
	3 + PE + 2 Straight male/ Straight female, 6 x 2.5	7000-P8141-P010100	7000-P8141-P010200	7000-P8141-P010300	7000-P8141-P010500	7000-P8141-P011000
Flanges	Description	0.25 m	0.50 m	1.0 m		
	3 + PE+2 Front wall assembly Male with wire, 6 x 2.5	7000-P8181-P800025	7000-P8181-P800050	7000-P8181-P800100		
	3 + PE+2 Front wall assembly Female with wire, 6 x 2.5	7000-P8191-P800025	7000-P8191-P800050	7000-P8191-P800100		



M23 CONNECTORS

SIMPLE AND SEALED CONNECTION FOR SERVO MOTORS

COMPLETE SUPPLY FROM A SINGLE SOURCE

Murrelektronik cordsets connect servo controllers with drives. Molded M23 connectors with various contact configurations are available on the motor side. To connect power cables to the servo controller, there is a choice between perfectly fitting connectors and differently configured or open leads. Sub-D is the suitable connector for signal cables. The Drive Cliq program with many variants completes the portfolio.

- 360° shield contact ensures maximum EMC interference immunity
- 30% lighter
- Integrated corrugated tube connection
- Murrelektronik manufactures cables in steps of 10 centimeters according to customer needs, starting at a single piece
- Shock and vibration protection with to snap closure



EXCELLENT QUALITY

In order to satisfy even the most demanding quality requirements, cordsets from Murrelektronik are manufactured in a reliable process. The production lines incorporate our extensive knowledge that Murrelektronik has developed over many years in the production of high-quality M8 and M12 cordsets.



PRECISE PROCEDURES

Highly accurate procedures are ensured in all production steps. For example, we check adherence to the defined target values in crimp contacts during assembly. The pull-off force is tested before and after each tool change.



SEALED ACCORDING TO PROTECTION CLASS IP67/68

The highly resistant and halogen-free PUR molding of the power cordsets ensures a seal according to protection class IP67/68. The cables are permanently and firmly attached to the connector housing. This not only guarantees perfect strain relief but also makes the connector tamper-proof.
















100 % TESTED

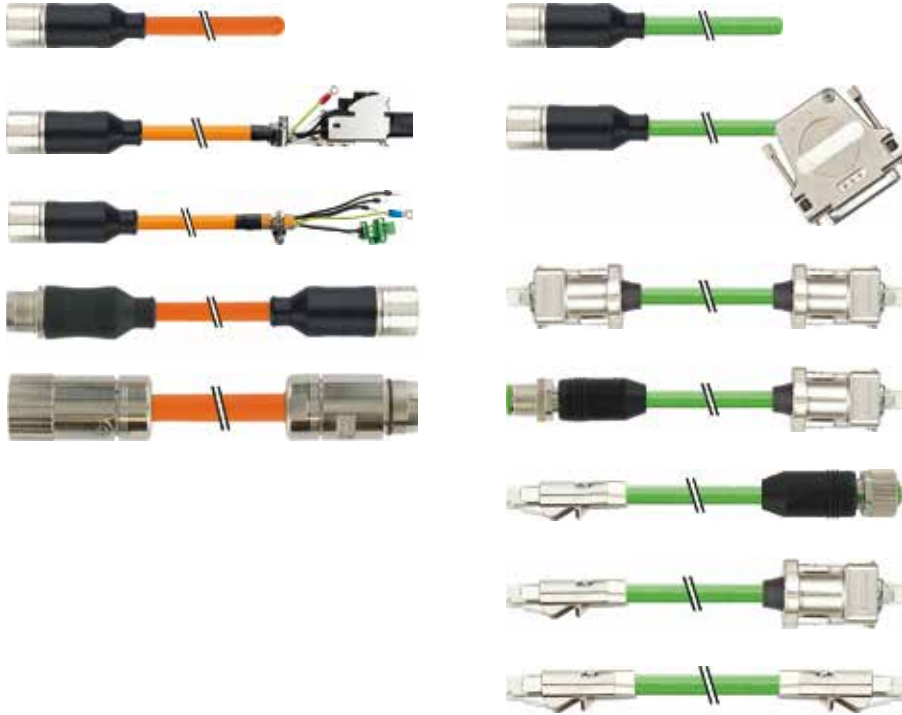
All Murrelektronik cordsets are 100% tested before leaving the plant. They undergo electrical testing, high-voltage testing, functional testing, contact assignment testing, short-circuit testing and even a visual test.



MOTOR CABLES FROM MURRELEKTRONIK

Cable types		PVC	PUR
Cable standard		★	★★★★
Properties	 Flame retardant	■	■
	 Resistant to chemicals	■	■
	 Resistant to cleaning agents	■	
	 Resistant to oil/lubricants		■
	 UL certified	■	■
	 CSA certified	■	■
	 UV-resistant		■
	 Halogen-free		■
	 Robust		■
	 Temperature range	-20°...+80°C	-50° ... +80°C
	 Suitable for drag chains		5 Mio.
	 Torsion-resistant		±30°
	 Suitable for robots		■
Example applications		Packaging machines Food sector Assembly plants Production lines	Machine tools Turntables and swiveling tables Chipping production

CORDESETS FOR SERVO DRIVES



DESCRIPTION

- PVC cables for permanently installed applications
- PUR cables for mobile applications
- Power cables, signal cables, extensions
- Preassembled cordsets with and without shielding braid
- M23, M40, M58 connections
- Drive Cliq
- M12 8-pole
- M12 Y-coded



Cordsets for servo drives WITH POWER CONTACT SPRING

The Power contact springs in the Murrelektronik M23 female contacts have remarkable properties:

- Excellent spring characteristics suitable for high-load environments
- Can survive more bending cycles than even the best steel springs
- Great electrical conductivity
- Mechanical strength
- Highly resistant towards environmental influences such as ozone as well as chemical influences (e.g. solvents)

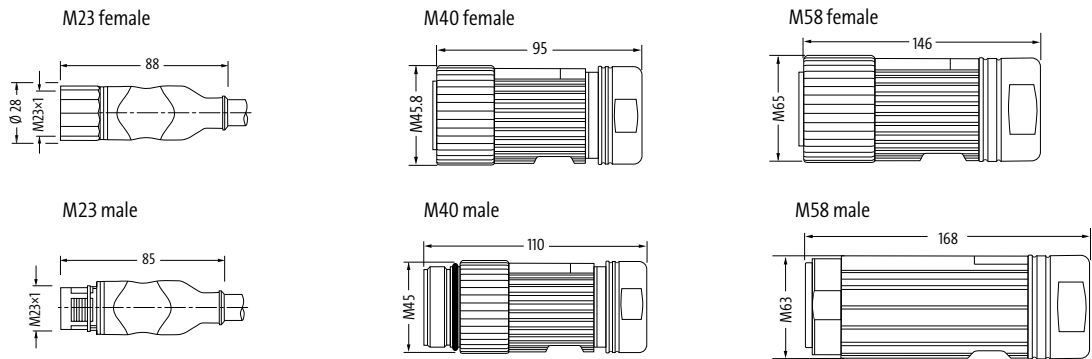


The Power contact springs compensate relative movements of the contacts and hence ensure perfect contacting at all times.

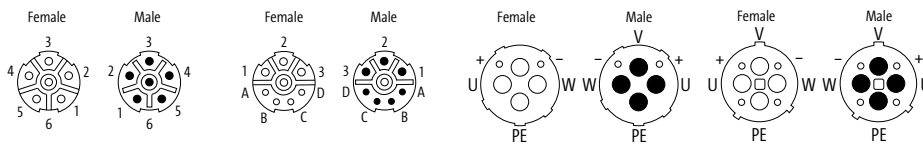
Power contact springs can be used within a large temperature range. The material used has self-cleaning properties while plugging or unplugging electrical connections.

Apart from Murrelektronik cordsets, this material is also used in high frequency technology, instrumentation and control, nuclear physics, aerospace applications as well as in IT hardware.

DIMENSION DRAWING OF M23 | M40 | M58 POWER

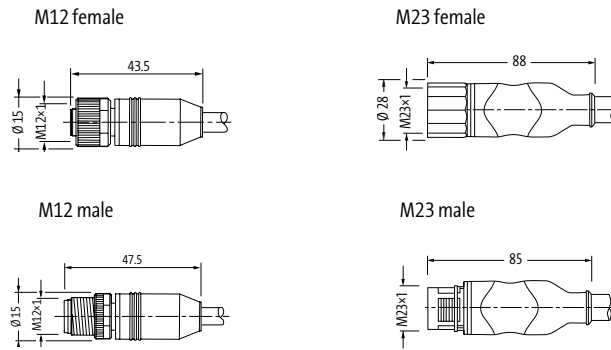


TECHNICAL DATA OF M23 | M40 | M58 POWER

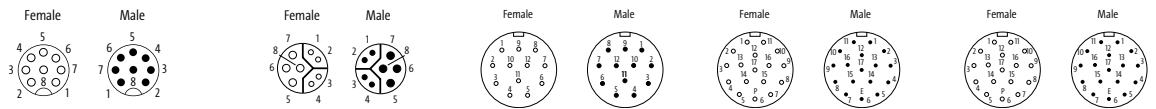


General data	M23		M40		M58	
	6-pole	8-pole	6-pole	8-pole	6-pole	8-pole
Contact arrangement	3 + PE + 2	3 + PE + 4	3 + PE + 2	3 + PE + 2	3 + PE + 2	
Temperature range (°C)	-25 ... +85	-25 ... +85	-20 ... +130	-20 ... +130	-20 ... +130	
Protection when plugged	IP65/67	IP65/67	IP65/67	IP65/67	IP65/67	
Enclosure EMC shielding	yes	yes	yes	yes	yes	
Locking mechanism	Threaded connection Quick connect	Threaded connection Quick connect	Threaded connection Quick connect	Threaded connection Quick connect	Threaded connection Quick connect	
Min. mating cycles	500	500	> 50	> 50	> 50	
Tightening torque (Nm)	2.0	2.0	–	–	–	
Wire cross section (mm ²)	1.50 ... 4.00 0.35 ... 1.50	1.50 ... 4.00 0.35 ... 1.50	1.50 ... 16.0 0.35 ... 4.00	10.00 ... 50.0 0.35 ... 1.50		
Electrical data	6-pole	8-pole	6-pole	8-pole	6-pole	8-pole
Rated current (A)	up to 28	up to 28	up to 75	up to 150		
Rated voltage AC/DC (V)	630	630	630	630		

DIMENSION DRAWING M12 | M23 SIGNAL



TECHNICAL DATA M12 | M23 SIGNAL



General data	M12		M23		
	8-pole	8-pole y-coded	12-pole	17-pin	19-pin
Contact arrangement	Configured with 6 or 8 poles	8	3 + 9	3 + 14	3 + 16
Temperature range (°C)	-25 ... +85	-25 ... +85	-25 ... +85	-25 ... +85	-25 ... +85
Protection when plugged	IP65/67	IP65/67	IP65/67	IP65/67	IP65/67
Enclosure EMC shielding	yes	yes	yes	yes	yes
Locking mechanism	Threaded connection	Threaded connection	Threaded connection Quick connect	Threaded connection Quick connect	Threaded connection Quick connect
Min. mating cycles	500	500	500	500	500
Tightening torque (Nm)	0.6	0.6	2.0	2.0	2.0
Wire cross section (mm²)	0.34	0.25/0.6	0.08 ... 0.56 0.34 ... 1.00	0.08 ... 0.56 0.34 ... 1.00	0.08 ... 0.56 0.34 ... 1.00
Electrical data	6-pole	8-pole	12-pin	17-pin	19-pin
Rated current (A)	up to 2 per contact	up to 6 in contacts 5 ... 8 up to 0.5 in contacts 1 ... 4	7.5	7.5	7.5
Rated voltage AC/DC (V)	30	30	125	125	125

ORDER DATA FOR CORDSETS



i Cables are configured according to **SIEMENS STANDARD**

DESCRIPTION

Cordsets (M23/M40 - M58 upon request) for use with SIEMENS Sinamics drive systems.

TRANSPARENT ARTICLE NUMBERS

The **SIEMENS DESIGNATIONS** are used in the Murrelektronik designations so that conversion between these designations is uncomplicated.

For example:

Siemens designation:

6FX8002-2DC10



Murrelektronik article number:

M6FX8002-2DC10

PVC-MC500 CABLES FOR PERMANENTLY INSTALLED APPLICATIONS


PUR-MC800+ FOR MOTION APPLICATIONS

DESCRIPTION

Siemens designation	Murrelektronik	Siemens designation	Murrelektronik	DESCRIPTION
6FX5002-5DN01	7000-PS012-861	6FX8002-5DN01	7000-PS012-821	M23 preassembled cordset with shielding braid, quick coupling
6FX5002-5DN11	7000-PS012-863	6FX8002-5DN11	7000-PS012-833	M23 preassembled cordset with shielding braid, quick coupling
6FX5002-5DN21	7000-PS022-861	6FX8002-5DN21	7000-PS022-821	M40 preassembled cordset with shielding braid, quick coupling
6FX5002-5DN31	7000-PS022-863	6FX8002-5DN31	7000-PS022-833	M40 preassembled cordset with shielding braid, quick coupling
6FX5002-5DN41	7000-PS032-894	6FX8002-5DN41	7000-PS032-895	M40 preassembled cordset with shielding braid, quick coupling
6FX5002-5DN51	7000-PS032-896	6FX8002-5DN51	7000-PS032-897	M40 preassembled cordset with shielding braid, quick coupling
6FX5002-5DN61	7000-PS052-898	6FX8002-5DN61	7000-PS052-899	M40 preassembled cordset with shielding braid, quick coupling
6FX5002-5DS01	7000-PS011-861	6FX8002-5DS01	7000-PS011-821	M23 preassembled cordset with shielding braid, full thread
6FX5002-5DS11	7000-PS011-863	6FX8002-5DS11	7000-PS011-833	M23 preassembled cordset with shielding braid, full thread
6FX5002-5DS21	7000-PS021-861	6FX8002-5DS21	7000-PS021-821	M40 preassembled cordset with shielding braid, full thread
6FX5002-5DS31	7000-PS021-863	6FX8002-5DS31	7000-PS021-833	M40 preassembled cordset with shielding braid, full thread
6FX5002-5DS41	7000-PS021-894	6FX8002-5DS41	7000-PS021-895	M40 preassembled cordset with shielding braid, full thread
6FX5002-5DS51	7000-PS021-896	6FX8002-5DS51	7000-PS021-897	M40 preassembled cordset with shielding braid, full thread
6FX5002-5DS61	7000-PS021-898	6FX8002-5DS61	7000-PS021-899	M40 preassembled cordset with shielding braid, full thread
6FX5002-5CN01	7000-PS016-865	6FX8002-5CN01	7000-PS016-854	M23 preassembled cordset without shielding braid, quick coupling
6FX5002-5CN11	7000-PS016-869	6FX8002-5CN11	7000-PS016-857	M23 preassembled cordset without shielding braid, quick coupling
6FX5002-5CN21	7000-PS017-865	6FX8002-5CN21	7000-PS017-854	M40 preassembled cordset without shielding braid, quick coupling
6FX5002-5CN31	7000-PS017-869	6FX8002-5CN31	7000-PS017-857	M40 preassembled cordset without shielding braid, quick coupling
6FX5002-5CN41	7000-PS017-890	6FX8002-5CN41	7000-PS017-891	M40 preassembled cordset without shielding braid, quick coupling
6FX5002-5CN51	7000-PS017-892	6FX8002-5CN51	7000-PS017-893	M40 preassembled cordset without shielding braid, quick coupling
6FX5002-5CN61	7000-PS017-888	6FX8002-5CN61	7000-PS017-889	M40 preassembled cordset without shielding braid, quick coupling
6FX5002-5CS01	7000-PS015-865	6FX8002-5CS01	7000-PS015-854	M23 preassembled cordset without shielding braid, full thread
6FX5002-5CS11	7000-PS015-869	6FX8002-5CS11	7000-PS015-857	M23 preassembled cordset without shielding braid, full thread
6FX5002-5CS21	7000-PS025-865	6FX8002-5CS21	7000-PS025-854	M40 preassembled cordset without shielding braid, full thread
6FX5002-5CS31	7000-PS025-869	6FX8002-5CS31	7000-PS025-857	M40 preassembled cordset without shielding braid, full thread
6FX5002-5CS41	7000-PS025-890	6FX8002-5CS41	7000-PS025-891	M40 preassembled cordset without shielding braid, full thread
6FX5002-5CS51	7000-PS025-892	6FX8002-5CS51	7000-PS025-893	M40 preassembled cordset without shielding braid, full thread
6FX5002-5CS61	7000-PS025-888	6FX8002-5CS61	7000-PS025-889	M40 preassembled cordset without shielding braid, full thread

ORDER DATA FOR CORDSETS



 Cables are configured according to **SIEMENS STANDARD**

DESCRIPTION

Cordsets with open ends (M23/M40 – M58 upon request) for use with SIEMENS Sinamics drive systems.

TRANSPARENT ARTICLE NUMBERS

The **SIEMENS DESIGNATIONS** are used in the Murrelektronik designations so that conversion between these designations is uncomplicated.

For example:

Siemens designation: 6FX8002-2DC10



Murrelektronik article number: M6FX8002-2DC10

PVC-MC500 CABLES FOR PERMANENTLY INSTALLED APPLICATIONS


PUR-MC800+ FOR MOBILE APPLICATIONS

DESCRIPTION

Siemens designation	Murrelektronik	Siemens designation	Murrelektronik	DESCRIPTION
6FX5002-5DG10	7000-PS346-861	6FX8002-5DG10	7000-PS346-821	M23 preassembled cordset with open ends, shielding braid, quick coupling
6FX5002-5DG12	7000-PS347-863	6FX8002-5DG12	7000-PS347-833	M23 preassembled cordset with open ends, shielding braid, quick coupling
6FX5002-5DG22	7000-PS348-861	6FX8002-5DG22	7000-PS348-821	M40 preassembled cordset with open ends, shielding braid, quick coupling
6FX5002-5DG32	7000-PS349-833	6FX8002-5DG32	7000-PS349-833	M40 preassembled cordset with open ends, shielding braid, quick coupling
6FX5002-5DG42	7000-PS350-894	6FX8002-5DG42	7000-PS350-895	M40 preassembled cordset with open ends, shielding braid, quick coupling
6FX5002-5DG52	7000-PS351-896	6FX8002-5DG52	7000-PS351-897	M40 preassembled cordset with open ends, shielding braid, quick coupling
6FX5002-5DG62	7000-PS352-898	6FX8002-5DG62	7000-PS352-899	M40 preassembled cordset with open ends, shielding braid, quick coupling
6FX5002-5DA01	7000-PS201-861	6FX8002-5DA01	7000-PS201-821	M23 preassembled cordset with open ends, shielding braid, full thread
6FX5002-5DG01	7000-PS202-861	6FX8002-5DG01	7000-PS202-821	M23 preassembled cordset with open ends, shielding braid, full thread
6FX5002-5DA11	7000-PS201-863	6FX8002-5DA11	7000-PS201-833	M23 preassembled cordset with open ends, shielding braid, full thread
6FX5002-5DS64	7000-PS303-898	6FX8002-5DS64	7000-PS303-899	M40 preassembled cordset with open ends, shielding braid, full thread
6FX5002-5CG10	7000-PS302-865	6FX8002-5CG10	7000-PS302-854	M23 preassembled cordset with open ends, without shielding braid, quick coupling
6FX5002-5CG12	7000-PS302-869	6FX8002-5CG12	7000-PS302-857	M23 preassembled cordset with open ends, without shielding braid, quick coupling
6FX5002-5CG22	7000-PS301-865	6FX8002-5CG22	7000-PS301-854	M40 preassembled cordset with open ends, without shielding braid, quick coupling
6FX5002-5CG32	7000-PS301-869	6FX8002-5CG32	7000-PS301-857	M40 preassembled cordset with open ends, without shielding braid, quick coupling
6FX5002-5CG42	7000-PS301-890	6FX8002-5CG42	7000-PS301-891	M40 preassembled cordset with open ends, without shielding braid, quick coupling
6FX5002-5CG52	7000-PS301-892	6FX8002-5CG52	7000-PS301-893	M40 preassembled cordset with open ends, without shielding braid, quick coupling
6FX5002-5CG62	7000-PS301-888	6FX8002-5CG62	7000-PS301-889	M40 preassembled cordset with open ends, without shielding braid, quick coupling
6FX5002-5CA01	7000-PS505-865	6FX8002-5CA01	7000-PS505-854	M23 preassembled cordset with open ends, without shielding braid, full thread
6FX5002-5CA11	7000-PS505-869	6FX8002-5CA11	7000-PS505-857	M23 preassembled cordset with open ends, without shielding braid, full thread
6FX5002-5CG01	7000-PS206-865	6FX8002-5CG01	7000-PS206-854	M23 preassembled cordset with open ends, without shielding braid, full thread

ORDER DATA FOR EXTENSIONS



 Cables are configured according to **SIEMENS STANDARD**

DESCRIPTION

M23 / M40 preassembled extension without shielding braid, quick coupling.

TRANSPARENT ARTICLE NUMBERS

The **SIEMENS DESIGNATIONS** are used in the Murrelektronik designations so that conversion between these designations is uncomplicated.

For example:

Siemens designation: 6FX8002-2DC10



Murrelektronik article number: M6FX8002-2DC10

**PVC-MC500 CABLES FOR
PERMANENTLY INSTALLED APPLICATIONS**
**PUR-MC800+ FOR
MOTION APPLICATIONS**

DESCRIPTION

Siemens designation	Murrelektronik	Siemens designation	Murrelektronik	DESCRIPTION
6FX5002-5DN05	7000-PS102-861	6FX8002-5DN05	7000-PS102-821	M23 preassembled extension with shielding braid, quick coupling
6FX5002-5DQ28	7000-PS126-861	6FX8002-5DQ28	7000-PS126-821	M40 preassembled extension with shielding braid, quick coupling
6FX5002-5DQ38	7000-PS126-863	6FX8002-5DQ38	7000-PS126-833	M40 preassembled extension with shielding braid, quick coupling
6FX5002-5DQ48	7000-PS126-894	6FX8002-5DQ48	7000-PS126-895	M40 preassembled extension with shielding braid, quick coupling
6FX5002-5DQ58	7000-PS126-896	6FX8002-5DQ58	7000-PS126-897	M40 preassembled extension with shielding braid, quick coupling
6FX5002-5DQ68	7000-PS126-898	6FX8002-5DQ68	7000-PS126-899	M40 preassembled extension with shielding braid, quick coupling
6FX5002-5DA05	7000-PS101-861	6FX8002-5DA05	7000-PS101-821	M23 preassembled extension with shielding braid, full thread
6FX5002-5DA15	7000-PS101-863	6FX8002-5DA15	7000-PS101-833	M23 preassembled extension with shielding braid, full thread
6FX5002-5DA38	7000-PS111-863	6FX8002-5DA38	7000-PS111-833	M40 preassembled extension with shielding braid, full thread
6FX5002-5DA48	7000-PS111-894	6FX8002-5DA48	7000-PS111-895	M40 preassembled extension with shielding braid, full thread
6FX5002-5DA58	7000-PS111-896	6FX8002-5DA58	7000-PS111-897	M40 preassembled extension with shielding braid, full thread
6FX5002-5DA68	7000-PS111-898	6FX8002-5DA68	7000-PS111-899	M40 preassembled extension with shielding braid, full thread
6FX5002-5CA05	7000-PS105-865	6FX8002-5CA05	7000-PS105-854	M23 preassembled extension without shielding braid, full thread
6FX5002-5CA15	7000-PS105-869	6FX8002-5CA15	7000-PS105-857	M23 preassembled extension without shielding braid, full thread
6FX5002-5CA28	7000-PS115-865	6FX8002-5CA28	7000-PS115-854	M40 preassembled extension without shielding braid, full thread
6FX5002-5CA38	7000-PS115-869	6FX8002-5CA38	7000-PS115-857	M40 preassembled extension without shielding braid, full thread
6FX5002-5CA48	7000-PS115-890	6FX8002-5CA48	7000-PS115-891	M40 preassembled extension without shielding braid, full thread
6FX5002-5CA58	7000-PS115-892	6FX8002-5CA58	7000-PS115-893	M40 preassembled extension without shielding braid, full thread
6FX5002-5CA68	7000-PS115-888	6FX8002-5CA68	7000-PS115-889	M40 preassembled extension without shielding braid, full thread

ORDER DATA FOR SIGNAL CORDSETS



Cables are configured according to
SIEMENS STANDARD

DESCRIPTION

Signal cables for SIEMENS SINAMICS S120 – Drive Cliq.

TRANSPARENT ARTICLE NUMBERS

The **SIEMENS DESIGNATIONS** are used in the Murrelektronik designations so that conversion between these designations is uncomplicated.

For example:

Siemens designation: 6FX8002-2DC10



Murrelektronik article number: M6FX8002-2DC10

**PVC-MC500 CABLES FOR
PERMANENTLY INSTALLED APPLICATIONS**

**PUR-MC800+ FOR
MOTION APPLICATIONS**

DESCRIPTION

Siemens designation	Murrelektronik	Siemens designation	Murrelektronik	DESCRIPTION
6FX5002-2EQ10	7000-SS161-871	6FX8002-2EQ10	7000-SS161-811	Preassembled cordset for ENDAT absolute encoder
6FX5002-2EQ14	7000-SS165-871	6FX8002-2EQ14	7000-SS165-811	Extension for ENDAT absolute encoder
6FX5002-2AD00	7000-SS172-885	6FX8002-2AD00	7000-SS172-882	Preassembled cordset for ENDAT absolute encoder to 611D/MCU
6FX5002-2CH00	7000-SS211-885	6FX8002-2CH00	7000-SS211-882	Preassembled cordset for ENDAT absolute encoder
6FX8002-2AD04	7000-SS171-885	6FX8002-2AD04	7000-SS171-882	Extension for SSI and ENDAT absolute encoder
6FX5002-2CA31	7000-SS261-871	6FX8002-2CA31	7000-SS261-811	Preassembled cordset for incremental encoder
6FX5002-2CA34	7000-SS265-871	6FX8002-2CA34	7000-SS265-811	Extension for incremental encoder
6FX5002-2DC20	7000-SS061-881	6FX8002-2DC20	7000-SS061-880	DRIVE CLIQ with RJ45 IP67 24 V connector
–	–	6FX2002-1DC00	7000-SS021-884	DRIVE CLIQ extension IP20/IP20 without 24 V
–	–	6FX2002-1DC20	7000-SS031-884	DRIVE CLIQ extension IP67/IP67 without 24 V

ORDER DATA FOR ALTERNATIVE CONNECTORS



Cables are configured according to
SIEMENS STANDARD



DESCRIPTION

Signal cables for SIEMENS SINAMICS S120 – Drive Cliq.

DID YOU KNOW...?

Murrelektronik M12 cordsets are a proven alternative for connecting Drive Cliq cables in the field within rough industrial environments. Using this innovative solution comes with the following advantages for our customers:

- No additional coupling required
- Small and simple
- Cost-effective
- Modular universal mount

PVC-MC500 CABLES FOR
PERMANENTLY INSTALLED APPLICATIONSPUR-MC800+ FOR
MOBILE APPLICATIONS

DESCRIPTION

Siemens designation	Murrelektronik	Siemens designation	Murrelektronik	DESCRIPTION
6FX5002-2DC30	7000-SS071-881	6FX8002-2DC30	7000-SS071-880	Drive Cliq IP20, preassembled cordset – M12 female, 8-pole
6FX5002-2DC34	7000-SS081-881	6FX8002-2DC34	7000-SS081-880	IP67 8-pole M12 male extension – IP67 8-pole M12 female
–	7000-SS075-881	–	7000-SS075-880	Drive Cliq IP20 – M12 flange – 8-pole female
–	7000-SS085-881	–	7000-SS085-880	8-pole M12 male – M12 flange – 8-pole female
–	7000-SS091-881	–	7000-SS091-880	8-pole M12 male – Drive Cliq IP67
–	7000-SS601-881	–	7000-SS601-880	Drive Cliq IP20 – 0° Y-coded M12 female
–	7000-SS605-881	–	7000-SS605-880	Drive Cliq IP20 – M12 flange – Y-coded female
–	7000-SS611-881	–	7000-SS611-880	0° Y-coded M12 male – 0° Y-coded M12 female
–	7000-SS615-881	–	7000-SS615-880	0° Y-coded M12 male – M12 flange – Y-coded female
–	7000-SS621-881	–	7000-SS621-880	0° Y-coded M12 male – Drive Cliq IP67

MURRELEKTRONIK

ALWAYS AT YOUR SERVICE



YOUR PERSONAL CONTACT PARTNER

Your personal contact partner in inside sales will address your concerns reliably and with great commitment. Your contact person is familiar with the challenges you are facing and will ensure that you have all the information you need.



TECHNICAL EXPERTISE IS JUST A CALL AWAY!

If you need any technical support during installation, commissioning or maintenance of a Murrelektronik product, your personal technical sales person is just a call away. Our specialists know our products inside out. They will help you to solve any issues and challenges in no time – the important thing is that you have a running system.



ON SITE FOR YOU

Our sales representatives can visit you regularly. They will analyze your application and processes with you in order to determine your requirements and use these as a basis to find the best solutions for the challenges you are facing. The goal is to make your installed system as cost-efficient as possible: Be it through the most simple measures or sophisticated system solutions.



COMPETENT SYSTEM CONSULTING

Whether you are installing a new machine, implementing an entirely new installation concept or want to talk shop about the latest developments in fieldbus technology: Our system consultants are at your disposal. This consultancy comes without any obligation and is a great opportunity to develop advanced solutions that will suit your requirements like a glove.



WORLDWIDE AND INDUSTRY-WIDE

WE STAY CONNECTED TO OUR CUSTOMERS:

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- ABB / Arburg / Atlas Copco Rock Drills / Audi
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Stay connected

At Murrelektronik, we create lasting connections, both personally and technically. This extends beyond technical aspects. We also apply this principle in maintaining close proximity to our customers.

Warehousing & Logistics



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We provide everything you need for comprehensive system installations. Use our knowledge and our experience across industries to your advantage.

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