Cables & Cordsets

Product Guide

MFCP **MOTION & FLOW**
CONTROL PRODUCTS, INC.

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This icon represents the products MFCP carries in stock. The icon will be to the right of the part number if we carry it in stock.

Understanding M12 Connectors:
A Comprehensive Guide

In the vast realm of industrial connectivity solutions, M12 connectors stand out as a ubiquitous and reliable option. Their compact design, robustness, and versatility make them a preferred choice for various applications. In this post, we delve into the intricacies of M12 connectors, highlighting their significance and typical uses.

What Are M12 Connectors?

M12 connectors are circular connectors with a 12mm locking thread diameter, hence the name. They are widely recognized for their compact size, high durability, and resistance to environmental factors such as moisture, dust, and vibrations. Originally developed for sensor/actuator connectivity in automation technology, their applications have since expanded across numerous industries, including automotive, manufacturing, and process automation.

Types and Uses of M12 Connectors

M12 connectors come in various codes, each tailored for specific applications. Here's a table listing some of the common M12 connector codes and their typical uses:

M12 Code	Typical Use
A	Actuators, Sensors, Industrial Data
B	Fieldbus Systems (e.g., Profibus)
D	Ethernet Applications 10/100Mb (4 pin)
K	Power Transmission (up to 16A@600VAC)
M	Power Transmission (up to 8A@600VAC)
L	Power Transmission (up to 63VAC/DC)
S	Power Transmission (up to 12A@600VAC)
X	Ethernet Applications 1/10Gb (8 pin)
T	Power Transmission (up to 12A@63VDC)

Note: This table provides a general overview. Always refer to manufacturer specifications for detailed information.

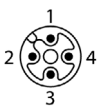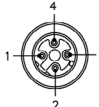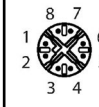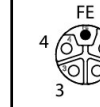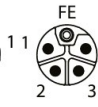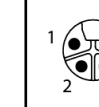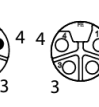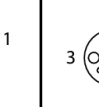## Advantages of M12 Connectors

1. **Robustness:** Built to withstand harsh industrial environments, they offer high resistance to shock, vibration, and temperature variations.

2. **Compact Design:** Their small footprint makes them ideal for applications with space constraints.

3. **Easy Installation:** The screw-locking mechanism ensures a secure connection, minimizing the risk of disconnection due to external factors.

4. **Versatility:** With various codes catering to different needs, M12 connectors can address a wide range of connectivity requirements.

Conclusion

M12 connectors have undoubtedly revolutionized industrial connectivity, offering a blend of durability, versatility, and performance.

Whether you're integrating sensors in an automated assembly line or setting up a robust fieldbus system, understanding the nuances of M12 connectors can streamline your connectivity solutions. While there may be a breadth of M12 codes to choose from, when selecting a cordset the devices you are connecting will likely determine the M12 code you will need.

For specific applications or requirements, always consult with industry experts or refer to manufacturer guidelines to ensure optimal performance and compatibility.

M12 Cordset Straight

Product Features:
- M12, Female, Torque sleeve
- Instrumentation Tray Cable
- Black PVC Jacket, 22 AWG
- Oil Resistant
- Flexlife® and C-Track Approved
- IP67/IP68/IP69K Protection

4-Pin A-Code Straight Cordset – Flying Leads

Part Number	Short Description	ID Number
EKRT-A4.400-GC2K-2	M12 Cordset M12F-FL-4P PVC Black 2M	UX19103
EKRT-A4.400-GC2K-5	M12 Cordset M12F-FL-4P PVC Black 5M	UX19120
EKRT-A4.400-GC2K-10	M12 Cordset M12F-FL-4P PVC Black 10M	UX19137
EKRT-A4.400-GC2K-20	M12 Cordset M12F-FL-4P PVC Black 20M	100039911

5-Pin A-Code Straight Cordset – Flying Leads

Part Number	Short Description	ID Number
EKRT-A5.500-GC2K-2	M12 Cordset M12F-FL-5P PVC Black 2M	UX19108
EKRT-A5.500-GC2K-5	M12 Cordset M12F-FL-5P PVC Black 5M	UX19125
EKRT-A5.500-GC2K-10	M12 Cordset M12F-FL-5P PVC Black 10M	UX19142
EKRT-A5.500-GC2K-20	M12 Cordset M12F-FL-5P PVC Black 20M	100037815

Product Features:
- M12, Female, Torque sleeve
- General Purpose Cable
- Black PVC Jacket, 24 AWG
- IP67/IP68/IP69K Protection

8-Pin A-Code Straight Cordset – Flying Leads

Part Number	Short Description	ID Number
EKRT-A8.800-GC4K-2	M12 Cordset M12F-FL-8P PVC Black 2M	100040110
EKRT-A8.800-GC4K-5	M12 Cordset M12F-FL-8P PVC Black 5M	100040111
EKRT-A8.800-GC4K-10	M12 Cordset M12F-FL-8P PVC Black 10M	100040112
EKRT-A8.800-GC4K-20	M12 Cordset M12F-FL-8P PVC Black 20M	100040113

M12 Cordset 90 Elbow

Product Features:
- M12, Female, Torque sleeve
- Instrumentation Tray Cable
- Black PVC Jacket, 22 AWG
- Oil Resistant
- Flexlife® and C-Track Approved
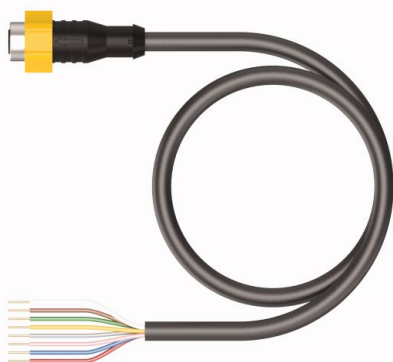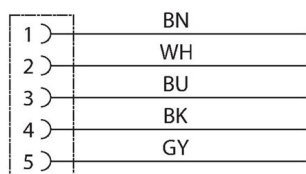- IP67/IP68/IP69K Protection

4-Pin A-Code Elbow Cordset – Flying Leads

Part Number	Short Description	ID Number
EKWT-A4.400-GC2K-2	M12 Cordset M12F90-FL-4P PVC Black 2M	UX19105
EKWT-A4.400-GC2K-5	M12 Cordset M12F90-FL-4P PVC Black 5M	UX19122
EKWT-A4.400-GC2K-10	M12 Cordset M12F90-FL-4P PVC Black 10M	UX19139
EKWT-A4.400-GC2K-20	M12 Cordset M12F90-FL-4P PVC Black 20M	100039917

5-Pin A-Code Elbow Cordset – Flying Leads

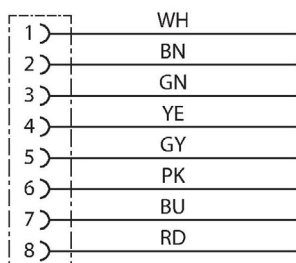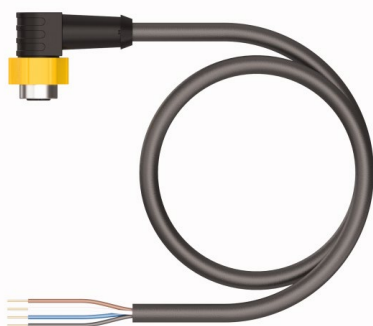| Part Number	Short Description	ID Number
EKWT-A5.500-GC2K-2	M12 Cordset M12F90-FL-5P PVC Black 2M	UX19114
EKWT-A5.500-GC2K-5	M12 Cordset M12F90-FL-5P PVC Black 5M	UX19131
EKWT-A5.500-GC2K-10	M12 Cordset M12F90-FL-5P PVC Black 10M	UX19148
EKWT-A5.500-GC2K-20	M12 Cordset M12F90-FL-5P PVC Black 20M	

Product Features:
- M12, Female, Torque sleeve
- General Purpose Cable
- Black PVC Jacket, 24 AWG
- IP67/IP68/IP69K Protection

8-Pin A-Code Elbow Cordset – Flying Leads
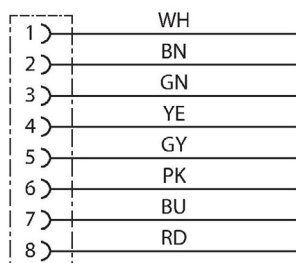
Part Number	Short Description	ID Number
EKWT-A8.800-GC4K-2	M12 Cordset M12F90-FL-8P PVC Black 2M	100040114
EKWT-A8.800-GC4K-5	M12 Cordset M12F90-FL-8P PVC Black 5M	100040115
EKWT-A8.800-GC4K-10	M12 Cordset M12F90-FL-8P PVC Black 10M	100040116
EKWT-A8.800-GC4K-20	M12 Cordset M12F90-FL-8P PVC Black 20M	100040117

M12 Extension Cable

Product Features:
- M12, Female, Torque sleeve
- Instrumentation Tray Cable
- Black PVC Jacket, 22 AWG
- Oil Resistant
- Flexlife® and C-Track Approved
- IP67/IP68/IP69K Protection

4-Pin A-Code Straight Extension Cable

Part Number	Short Description	ID Number
EKRT-ESRT-A4.400-GC2K-1	M12 Extension M12F-M12M-4P PVC Black 1M	100006874
EKRT-ESRT-A4.400-GC2K-2	M12 Extension M12F-M12M-4P PVC Black 2M	UX19102
EKRT-ESRT-A4.400-GC2K-5	M12 Extension M12F-M12M-4P PVC Black 5M	UX19119
EKRT-ESRT-A4.400-GC2K-10	M12 Extension M12F-M12M-4P PVC Black 10M	UX19136

5-Pin A-Code Straight Extension Cable

Part Number	Short Description	ID Number
EKRT-ESRT-A5.500-GC2K-1	M12 Extension M12F-M12M-5P PVC Black 1M	100005383
EKRT-ESRT-A5.500-GC2K-2	M12 Extension M12F-M12M-5P PVC Black 2M	UX19110
EKRT-ESRT-A5.500-GC2K-5	M12 Extension M12F-M12M-5P PVC Black 5M	UX19127
EKRT-ESRT-A5.500-GC2K-10	M12 Extension M12F-M12M-5P PVC Black 10M	UX19144

M12 Bulkhead

A-Code Front Mount – PG9 Thread

Part Number	Short Description	ID Number
EFKBG-A4.400.2-0.5	M12 Bulkhead M12F-FL-4P 0.5M	100012197
EFKBG-A5.500.2-0.5	M12 Bulkhead M12F-FL-5P 0.5M	100005780
EFKBG-A8.800.4-0.5	M12 Bulkhead M12F-FL-8P 0.5M	100034200

Product Features:
- M12, D-coded 4pin
- CAT5A, TPU, Teal, Shielded, Flexible Track
- IP69/IP68/IP69/IP69K (RJ45 IP20)
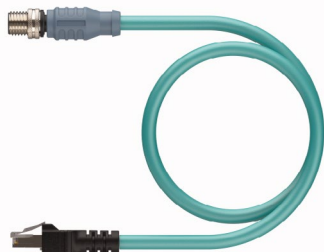
M12D-RJ45

Part Number	Short Description
RSSD RJ45S 441-3M	M12 Cordset M12M-RJ45S-4P D Code TPE Teal, Shielded, 3M
RSSD RJ45S 441-5M	M12 Cordset M12M-RJ45S-4P D Code TPE Teal, Shielded, 5M

Extension

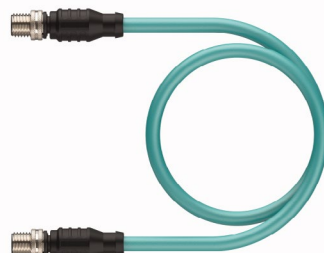| Part Number	Short Description
RSSD RKSD 441-3M	M12 Extension M12M-M12F-4P D Code TPE Teal, Shielded, 3M
RSSD RKSD 441-5M	M12 Extension M12M-M12F-4P D Code TPE Teal, Shielded, 5M
WSSD RKSD 441-3M	M12 Extension M12M90-M12F-4P D Code TPE Teal, Shielded, 3M
RSSD RSSD 441-0.5M	M12 Extension M12M-M12M-4P D Code TPE Teal, Shielded, 0.5M

Product Features:
- M12, X-coded 8pin
- CAT6A, TPU, Teal, Shielded, Flexible Track
- IP69/IP68/IP69/IP69K (RJ45 IP20)
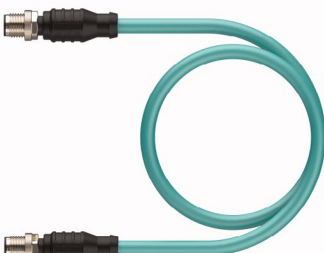
Gigabit

Part Number	Short Description
RSSX RSSX 860-3M	M12 Cordset M12M-M12M-8P X Code TPE Teal, Shielded, Gigabit 3M
RSSX RJ45S 860-5M	M12 Cordset M12M-RJ5S-8P X Code TPE Teal, Shielded, Gigabit 5M
RSSX RSSX 860-5M	M12 Cordset M12M-M12M-8P X Code TPE Teal, Shielded, Gigabit 5M

M12 Field Wireable Connectors

Product Features:
- Cable Range: 4-6 mm (4 pin), 4-8 mm (5 pin), 6-8 mm (8 pin)
- Conductor Range: 18-26 AWG
- Termination Type: Screw Terminal
- Housing Material: Plastic, Nylon
- Coupling Nut Material: Nickel Plated Zinc

4-Pin A-Code Female

Part Number	Short Description	ID Number
B 8141-0	M12 Connector M12F-Screw-4P Straight	U6545
B 8241-0	M12 Connector M12F90-Screw-4P Angle	U6555

4-Pin A-Code Male

Part Number	Short Description	ID Number
BS 8141-0	M12 Connector M12M-Screw-4P Straight	U6550
BS 8241-0	M12 Connector M12M90-Screw-4P Angle	U6560

5-Pin A-Code Female

Part Number	Short Description	ID Number
B 8151-0/PG9	M12 Connector M12F-Screw-5P Straight	U6565
B 8251-0/PG9	M12 Connector M12F90-Screw-5P Angle	U6575

5-Pin A-Code Male

Part Number	Short Description	ID Number
BS 8151-0/PG9	M12 Connector M12M-Screw-5P Straight	U6570
BS 8251-0/PG9	M12 Connector M12M90-Screw-5P Angle	U6580

8-Pin A-Code Straight Female

Part Number	Short Description	ID Number
B 8181-0	M12 Connector M12F-Screw-8P Straight	U0885-26

DIN 43650, EN 175301-803 Connectors:
An Overview for Industrial Applications

In the realm of industrial connectivity, DIN 43650, now known as EN 175301, connectors, often called valve connectors or DIN connectors, emerge as a vital component, bridging the gap between electronic devices and systems. Their standardized design, coupled with reliability, makes them indispensable across various sectors. This article delves into the features, types, and typical uses of EN 175301-803 connectors.

Understanding EN 175301-803 Connectors

EN 175301-803 connectors, as the name suggests, adhere to the EN 175301-803 standard, which specifies the design and dimensions for connectors used in solenoid valves and other electronic devices. These connectors are recognized for their robust construction, ensuring a secure and consistent connection in challenging environments.

Types of EN 175301-803 Connectors and Their Applications

EN 175301-803 connectors are available in different configurations, catering to diverse industrial requirements. Here's a table outlining some common EN 175301-803 connector types and their typical uses:

Connector Type	Typical Application
Form A	Solenoid valves, pumps
Form B	Electrical control units, switchgear
Form B (I)	An industrial version of the connector, 11 mm pin spacing
Form C	Sensors, industrial automation systems
Form C (I)	An industrial version of the connector, 9.4 mm pin spacing
Form D	Electrical connectors for printed circuit boards

Note: This table offers a general overview. Always consult manufacturer specifications for precise information.

Advantages of EN 175301-803 Connectors

1. **Standardized Design:** Adhering to the EN 175301-803 standard ensures compatibility and interchange ability across various devices and systems.
2. **Robustness:** Constructed to withstand harsh industrial environments, these connectors offer resistance to moisture, dust, and mechanical stress.
3. **Secure Connection:** The integrated locking mechanism ensures a reliable connection, minimizing the risk of disconnection due to external factors.
4. **Versatility:** With different forms catering to specific applications, EN 175301-803 connectors provide a versatile solution for diverse industrial needs.

Conclusion

EN 175301-803 connectors play a pivotal role in modern industrial applications, offering a blend of standardization, reliability, and performance. Whether you're integrating solenoid valves in a hydraulic system or connecting sensors in an automation setup, understanding the intricacies of EN 175301-803 connectors is crucial for seamless operation.

For specific requirements or applications, always engage with industry experts or refer to manufacturer guidelines to ensure optimal compatibility and performance.

DIN Cordset & Connector

Product Features:
- DIN, Form A EN175301-803
- Black PVC Jacket, 18 AWG
- Oil Resistant
- Integrated Gasket
- IP67/NEMA 6 Protection

24VDC with Diode – Flying Leads

Part Number		Short Description
5J6U4-A11-US0A		DIN Cordset, Form A-FL-DG PVC Black, 24V + Diode 2M
5J6X4-A11-US0A		DIN Cordset, Form A-FL-DG PVC Black, 24V + Diode 5M
5J6Y4-A11-US0A		DIN Cordset, Form A-FL-DG PVC Black, 24V + Diode 10M

120VAC with MOV – Flying Leads

Part Number		Short Description
5J6U4-551-US0A		DIN Cordset, Form A-FL-DG PVC Black, 120V + MOV 2M
5J6X4-551-US0A		DIN Cordset, Form A-FL-DG PVC Black, 120V + MOV 5M
5J6Y4-551-US0A		DIN Cordset, Form A-FL-DG PVC Black, 120V + MOV 10M

Product Features:
- DIN Form A EN175301-803
- PG9 Cord Grip
- 14 AWG MAX
- NEMA 4/IP65 Protection

Field Wireable DIN Form A

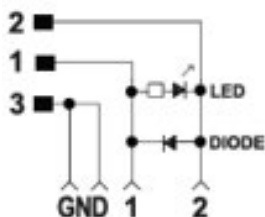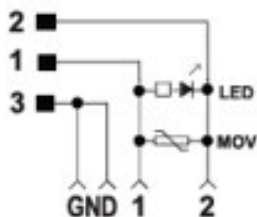| Part Number		Short Description
5100-1080000		DIN Connector Form A Fiedl Wirable Unlighted
5103-1080000		DIN Connector Form A Fiedl Wirable 6-48V AC/DC
5107-1080000		DIN Connector Form A Fiedl Wirable 100-240V AC

Product Features:
- DIN, Form A EN175301-803
- Black PUR Jacket, 18 AWG
- Oil Resistant
- Integrated Gasket
- IP67/NEMA 6 Protection

24VDC Double DIN – Flying Leads
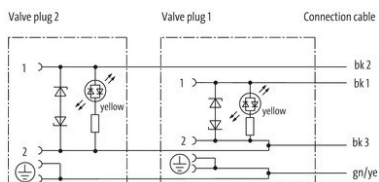
Part Number	Short Description	Valve Size
7000-58001-6370300	Double DIN Cordset Form A-FL- PUR 110mm Black 3M, 24VDC	D03
7000-58001-6370500	Double DIN Cordset Form A-FL- PUR 110mm Black 5M, 24VDC	D03
7000-58001-6371000	Double DIN Cordset Form A-FL- PUR 110mm Black 10M, 24VDC	D03
7000-58021-6370300	Double DIN Cordset Form A-FL- PUR 150mm Black 3M, 24VDC	D05
7000-58021-6370500	Double DIN Cordset Form A-FL- PUR 150mm Black 5M, 24VDC	D05
7000-58021-6371000	Double DIN Cordset Form A-FL- PUR 150mm Black 10M, 24VDC	D05

120VAC Double DIN – Flying Leads

Part Number	Short Description	Valve Size
7000-58005-6370500	Double DIN Cordset Form A-FL- PUR 100mm Black 5M, 120VAC	D03
7000-58005-6371000	Double DIN Cordset Form A-FL- PUR 110mm Black 10M, 120VAC	D03
7000-58025-6370500	Double DIN Cordset Form A-FL- PUR 150mm Black 5M, 120VAC	D05
7000-58025-6371000	Double DIN Cordset Form A-FL- PUR 150mm Black 10M, 120VAC	D05

D03 = Parker D1VW, D05 = Parker D3W

Product Features:
- Form A 18mm, Red & Green LED
- General Purpose Cable
- Black PUR Jacket, 18 AWG
- IP67 Protection

24VDC Pressure Switch DIN – Flying Leads
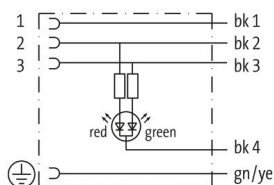
Part Number	Short Description
7000-18121-6380200	Form A Cordset Form A-FL PSW PUR Black 2M
7000-18121-6380500	Form A Cordset Form A-FL PSW PUR Black 5M
7000-18121-6381000	Form A Cordset Form A-FL PSW PUR Black 10M

DT Style Cordsets

Product Features:
- DT06 Equivalent, 2 pin
- Black TPE/PVC Jacket, 18 AWG
- IP67/IP69K Protection

Unlighted – Flying Leads

Part Number	Short Description
DT06-2S-2125-2M	DT Cordset DT06-FL-2P TPE Black 2M
DT06-2S-2125-5M	DT Cordset DT06-FL-2P TPE Black 5M
DT06-2S-2125-10M	DT Cordset DT06-FL-2P TPE Black 10M

Lighted – Flying Leads

Part Number	Short Description
GT0602-UA11-2A	DT Cordset, DT06-2S-FL-2P PUR Black Lighted+Diode 6-24VAC/DC 2M
GT0602-XA11-2A	DT Cordset, DT06-2S-FL-2P PUR Black Lighted+Diode 6-24VAC/DC 5M
GT0602-YA11-2A	DT Cordset, DT06-2S-FL-2P PUR Black Lighted+Diode 6-24VAC/DC 10M

Extension

Part Number	Short Description
DT06-2S-2125-2M-DT04-2P	DT Cordset DT06-DT04-2P TPE Black 2M
DT06-2S-2125-1M-DT04-2P	DT Cordset DT06-DT04-2P TPE Black 1M
DT06-2S-2125-0.5M-DT04-2P	DT Cordset DT06-DT04-2P TPE Black 0.5M
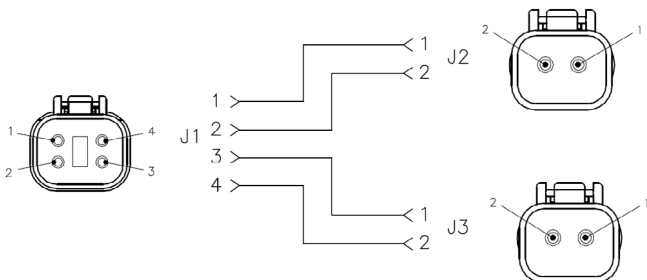
Y Combiner 4pin – 2x2pin

Part Number	Short Description
VB2-DT06-4S-0.3/2DT06-2S-0.5/0.5/S3425	DT Cordset DT06-2DT06-4P TPE Black 0.3M,0.5M,0.5M

DT06-Flying Leads

Part Number	Short Description
DT06-3S-2145-3M	DT Cordset DT06-FL-3P TPE Black 3M
DT06-3S-2145-5M	DT Cordset DT06-FL-3P TPE Black 5M

DT06-3S – DT04 Extension

Part Number	Short Description
DT06-3S-2145-3M-DT04-3P	DT Cordset DT06-DT04-3P TPE Black 3M
DT06-3S-2145-1M-DT04-3P	DT Cordset DT06-DT04-3P TPE Black 5M

T Branch Combiner & Terminating Resistor
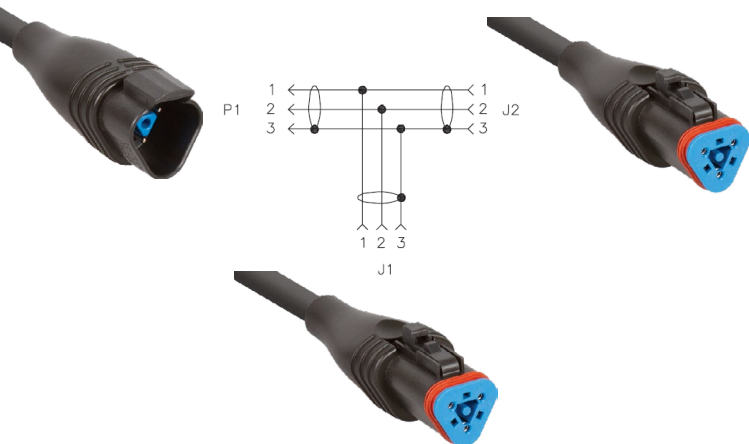
Part Number	Short Description
DT043P-2323XL-0.5/DT063S-2323XL-0.5/0.5	DT Cordset DT04-2DT06-3P J1939 T EX60 Black 0.5M,0.5M,0.5M
DT06-3S/TR	DT Accessory DT06-RES Termination Resistor

M8 Cordsets

Product Features:
- M8, Female
- General Purpose Cable
- Yellow PVC Jacket, 24 AWG
- IP68/NEMA 6P Protection
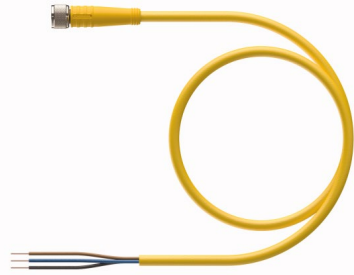
3 Pin Straight Cordset – Flying Leads

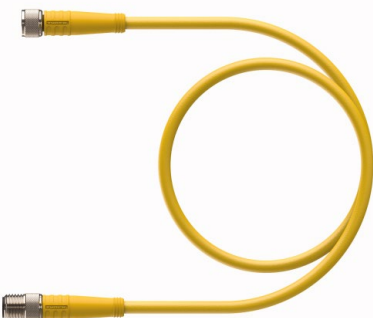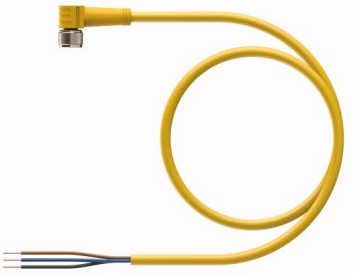| Part Number	Short Description
PKG 3M-2	M8 Cordset M8F-FL-3P PVC Black 2M
PKG 3M-5	M8 Cordset M8F-FL-3P PVC Black 5M
PKG 3M-10	M8 Cordset M8F-FL-3P PVC Black 10M

4 Pin Straight Cordset – Flying Leads

Part Number	Short Description
PKG 4M-2	M8 Cordset M8F-FL-4P PVC Black 2M
PKG 4M-5	M8 Cordset M8F-FL-4P PVC Black 5M
PKG 4M-10	M8 Cordset M8F-FL-4P PVC Black 10M

3 Pin 90 Cordset – Flying Leads

Part Number	Short Description
PKW 3M-2	M8 Cordset M8F-FL-3P PVC Black 2M
PKW 3M-5	M8 Cordset M8F-FL-3P PVC Black 5M
PKW 3M-10	M8 Cordset M8F-FL-3P PVC Black 10M

4 Pin 90 Cordset – Flying Leads

Part Number	Short Description
PKW 4M-2	M8 Cordset M8F-FL-4P PVC Black 2M
PKW 4M-5	M8 Cordset M8F-FL-4P PVC Black 5M
PKW 4M-10	M8 Cordset M8F-FL-4P PVC Black 10M

3 Pin Straight Extension Cordset

Part Number	Short Description
PKG 3M-1-PSG 3M	M8 Cordset M8F-M8M-3P PVC Black 1M
PKG 3M-2-PSG 3M	M8 Cordset M8F-M8M-3P PVC Black 2M
PKG 3M-5-PSG 3M	M8 Cordset M8F-M8M-3P PVC Black 5M

4 Pin Straight Extension Cordset

Part Number	Short Description
PKG 4M-1-PSG 4M	M8 Cordset M8F-M8M-4P PVC Black 1M
PKG 4M-2-PSG 4M	M8 Cordset M8F-M8M-4P PVC Black 2M
PKG 4M-5-PSG 4M	M8 Cordset M8F-M8M-4P PVC Black 5M

Sensor Bulk Cable – PVC, Black

Product Features:
- Instrumentation Tray Cable
- Black PVC jacket, 22 AWG
- Sunlight Resistant
- -40 Cold Bend Rating
- Oil Resistant
- Flame Ratings: UL 1685 FT4, UL1061, CSA FT4
- Flexlife® and C-Track Approved
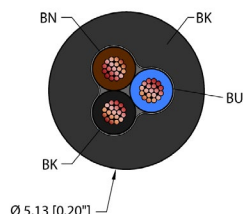
Cable, 3 Wire, 22AWG, Black PVC Jacket

Part Number	Short Description	ID Number
BLK,PVC,3X22,ITC	Cable Bulk ITC- PVC Black 3x22AWG	RF52083
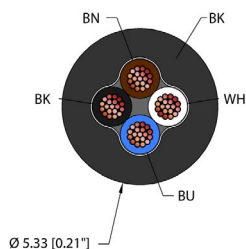
Cable, 4 Wire, 22AWG, Black PVC Jacket

Part Number	Short Description	ID Number
BLK,PVC,4X22,ITC,MSHA	Cable Bulk ITC- PVC Black 4x22AWG	RF50983
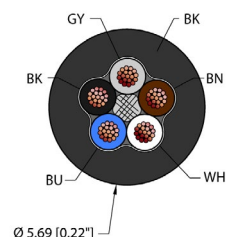
Cable, 5 Wire, 22AWG, Black PVC Jacket

Part Number	Short Description	ID Number
BLK,PVC,5X22,ITC,MSHA	Cable Bulk ITC- PVC Black 5x22AWG	RF50982

Product Features:
- General Purpose Cable
- Black PVC Jacket, 24 AWG
- -40 Cold Bend Rating
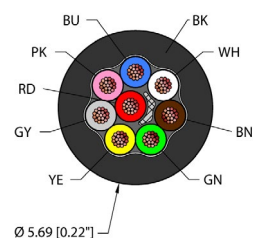
Cable, 8 Wire, 24AWG, Black PVC Jacket

Part Number	Short Description	ID Number
BLK,PVC,8X24,AWM	Cable Bulk General- PVC Black 8x24AWG	RF51317

Other Cables

VFD Cable, 4 Conductor, XLPE

Part Number	Description No. of Conductors Including Ground	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/MFT
A1061804	AWG18/04C (19/30)	10.5	0.415	108	42
A1061604	AWG16/04C (26/30)	10.8	0.425	124	54
A1061404	AWG14/04C (41/30)	11.6	0.456	154	76
A1061204	AWG12/04C (65/30)	13.0	0.51	208	118
A1061004	AWG10/04C (105/30)	16.5	0.650	320	183
A1060804	AWG8/04C (168/30)	20.6	0.81	478	279

Ethernet Cable, Teal PVC Jacket

Part Number	Short Description
A1040001	Ethernet Cable, 4x2xAWG23 CAT6 Unshielded
A1040005	Ethernet Cable, 4x2xAWG23 CAT6 Shielded

Multi Conductor Cable, Gray PVC Jacket

Part Number	Description No. of Conductors Including Ground	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/MFT
	AWG 20 (19/32)				
A3032002	AWG20/2C	5.0	0.195	21	7
A3032003	AWG20/3C	5.2	0.204	27	11
A3032004	AWG20/4C	5.6	0.220	33	15
A3032006	AWG20/6C	6.5	0.254	45	22
A3032008	AWG20/8C	7.2	0.282	58	30
A3032010	AWG20/10C	8.2	0.323	72	37
A3032015	AWG20/15C	9.2	0.364	99	56
A3032020	AWG20/20C	10.7	0.420	134	75
A3032025	AWG20/25C	11.7	0.461	163	94
	AWG 18 (19/32)				
A3031802	AWG18/2C	5.4	0.213	27	12
A3031803	AWG18/3C	5.7	0.223	35	18
A3031804	AWG18/4C	6.1	0.242	43	24
A3031806	AWG18/6C	7.4	0.291	63	36
A3031808	AWG18/8C	7.9	0.312	79	49
A3031810	AWG18/10C	9.1	0.359	97	61
A3031815	AWG18/15C	10.8	0.427	145	91
A3031820	AWG18/20C	11.9	0.468	185	121
A3031825	AWG18/25C	13.1	0.515	226	152
	AWG 16 (19/32)				
A3031602	AWG16/2C	6.5	0.257	36	16
A3031603	AWG16/3C	6.9	0.271	48	24
A3031604	AWG16/4C	7.7	0.304	62	32
A3031606	AWG16/6C	9.1	0.357	89	49
A3031608	AWG16/8C	10.3	0.407	119	65
A3031610	AWG16/10C	11.9	0.469	149	81
A3031615	AWG16/15C	13.5	0.532	207	122
A3031620	AWG16/20C	14.9	0.587	264	163
A3031625	AWG16/25C	17.0	0.669	336	204

Color Code Table AWG 20, 18 & 16

1-	BK	13-	RD/GN
2-	RD	14-	RD/YE
3-	WH	15-	RD/BK
4-	GN	16-	WH/BK
5-	OG	17-	WH/RD
6-	BU	18-	WH/GN
7-	BN	19-	WH/YE
8-	YE	20-	WH/BU
9-	VT	21-	WH/BN
10-	GY	22-	WH/OG
11-	PK	23-	WH/GY
12-	TN	24-	WH/VT
		25-	WH/BK/RD

Cable Entry

Bolt Mounted Design (For all Enclosures)

Part Number	Number of Entry Points	Dimensions WxHxD mm	Cutout WxH mm	Number of Cables x Cable OD - Ø mm
606550	12	148.0x60.0x13.5	112x36	12x5.0-13.0
606551	23	148.0x60.0x13.5	112x36	23x4.0-8.5
606554	22	148.0x60.0x13.5	112x36	16x3.0-6.5 4x5.0-9.2 2x8.0-12.5

Snap-In Design (For Enclosures with 1.5mm wall thickness)

Part Number	Number of Entry Points	Dimensions WxHxD mm	Cutout WxH mm	Number of Cables x Cable OD - Ø mm
606561	12	148.0x60.0x13.5	112x36	12x5.0-13.0
606562	23	148.0x60.0x13.5	112x36	23x4.0-8.5

Cablefix One Kits (Include frame, hardware, and seals)

Part Number	Frame Type	Dimensions WxHxD mm	Cutout WxH mm	Number of Cables x Cable OD - Ø mm
606500	4	156.5x75.2x27.5	112x46	2x5.0-15.0 2x15.0-29.0
606501	7	156.5x75.2x27.5	112x46	6x5.0-15.0 1x15.0-29.0
606502	10	156.5x75.2x27.5	112x46	10x5.0-15.0

Cord Grips/Cable Glands

Part Number	Short Description
CG025N-200-B	Cable Gland, 1/4NPT, 0.08-0.20in, Black
CG038N-300-B	Cable Gland, 3/8NPT, 0.16-0.31in, Black
CG050N-470-B	Cable Gland, 1/2NPT, 0.24-0.47in, Black
CG050N-550-B	Cable Gland, 1/2NPT, 0.39-0.55in, Black
CG075N-710-B	Cable Gland, 3/4NPT, 0.51-0.71in, Black
CG100N-910-B	Cable Gland, 1.0NPT, 0.71-0.98in, Black
CGN025NB	Cable Gland, 1/4NPT, Nut, Black
CGN038NB	Cable Gland, 3/8NPT, Nut, Black
CGN050NB	Cable Gland, 1/2NPT, Nut, Black
CGN075NB	Cable Gland, 3/4NPT, Nut, Black
CGN100NB	Cable Gland, 1NPT, Nut, Black

Additional Cord Grips materials and sizes and modular cable entry plates additionally available

Cable & Cordset Tools

Quickstrip Vario, wire stripper, integrated wire cutter, 32 – 6AWG

Part Number	Short Description
206-1125	Quickstrip Vario, wire stripper, integrated wire cutter, 32 – 6AWG

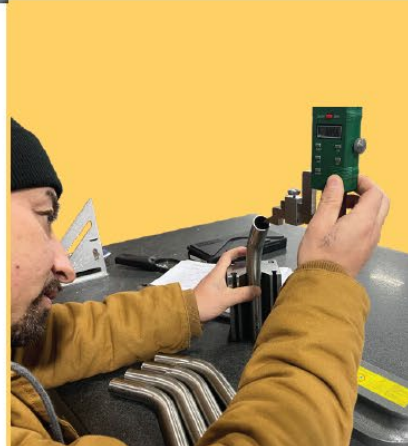### Cable Knife, 0.31"-1.1"

Part Number	Short Description
206-1403	Cable Knife, 0.31"-1.1"

Cable stripper, universal 0.31"-0.51"

Part Number	Short Description
206-1442	Cable stripper, universal 0.31"-0.51"

Cable cutter Cu and Al wires up to 2 AWG

Part Number	Short Description
206-118	Cable cutter Cu and Al wires up to 2 AWG

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