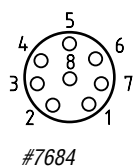


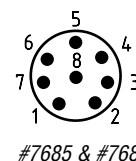
## Cables and Connectors

- Continuous flex cables can handle the high cycle requirements of many automation applications.
- Thin cables can be used when space is tight and multiple cables are required such as sensor boxes.
- Sensor diagrams and other specifications can be found on our online product pages at: [www.EMICorp.com](http://www.EMICorp.com)
- See page 32 for OnRobot cables.
- See page 28 for Wingman cables & connectors.
- Additional cables and connectors on EMI's website.
- Contact us with any questions: [Cobots@emicorp.com](mailto:Cobots@emicorp.com)

**Power your Cobot End Effectors!**



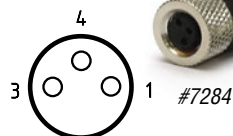
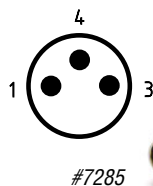
#7686



### Field Wireable M12 Connectors with Screw Terminals

Quick#	Part#	Connection	Description	Price
7684	CFGM1200800	Straight	8-Pin Female M12 Connector	\$19.76
7685	CMGM1200800	Straight	8-Pin Male M12 Connector	\$19.76
7686	CMGM1290800	90°	8-Pin Male M12 Connector	\$32.00

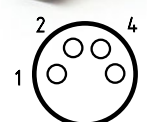
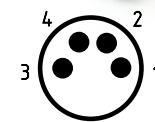
- Use these field wireable M12, 8-Pin connectors to extend cables from a quick changer and build custom wire harnesses.



### 3-Pin Field Wireable M8 Connectors with Screw Terminals

Quick#	Part#	Description	Price
7285	CMGM800300	3-Pin M8 Male Connector	\$14.00
7284	CFGM800300	3-Pin M8 Female Connector	\$14.00

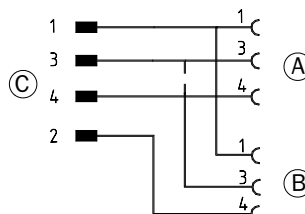
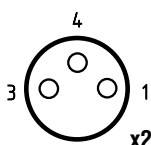
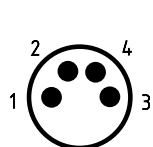
- Use with SB Modular Sensor Boxes.



### 4-Pin Field Wireable M8 Connectors with Screw Terminals

Quick#	Part#	Description	Price
7698	CMGM800400	4-Pin M8 Male Connector	\$14.00
7699	CFGM800400	4-Pin M8 Female Connector	\$14.00

- Use with 4-Pin equipped components including sensors, grippers, etc.



### Y-Splitter with M8 Connector

Quick#	Part#	Description	Price
8081	GSE-E12269	2x M8 3-pin female, 1x M8 4-pin Male	\$41.00

- Combine two sensor cables to simplify I/O requirements.

Use Quick#s for easy online ordering.

**Extension Cables (connector with free lead wire)**


Quick#	Part#	End 1 (plug)		Cord		End 2 (free leads reference)	Notes:	Price
		Pins	Connector	Length	Ø			
461	GSF-VMC-90	4 (Female)	90° M8	5m	3.8mm	4 wire	Standard cable	\$13.00
7719	GSE-TSCE90-M825-4P		90° M8	2.5m	2.5mm	1 - Brown 2 - White 3 - Blue 4 - Black	Thin cable	\$17.63
8082	GSE-RFC-M8-4P		Straight M8	5m	4.3mm		Continuous Flex	\$16.00
462	GSF-VMC-S		Straight M8	5m	3.8mm		Standard cable	\$13.00
7718	GSE-TSCE-M825-4P		Straight M8	2.5m	2.5mm		Thin cable	\$17.63
7161	CFGM890325P		90° M8	2.5m	4.3mm	3 wire 1 - Brown 3 - Blue 4 - Black	Continuous Flex	\$13.00
2582	GSE-NAN-3A		90° M8	5m	3.8mm		Standard cable	\$13.00
7720	GSE-TSCE90-M825		90° M8	2.5m	2.2mm		Thin cable	\$12.43
7160	CFGM800325P		Straight M8	2.5m	4.3mm		Continuous Flex	\$13.00
2583	GSE-NAN-3F		Straight M8	5m	3.8mm		Standard cable	\$13.00
7715	GSE-TSCE-M825		Straight M8	2.5m	2.2mm		Thin cable	\$12.43
2581	GSE-RCS-8FS-5000	8 (Female)	Straight M8	5m	5mm	8 wire 1 - White 2 - Brown 3 - Green 4 - Yellow 5 - Gray 6 - Pink 7 - Blue 8 - Red	Standard cable	\$26.75
7683	CFGM1200850P		Straight M12	5m	5mm		Standard cable	\$40.56
8087	CFGM890802P*		Straight M8	0.2m	5mm		Standard cable	\$33.88
2580	GSE-RCS-8MS-5000		Straight M8	5m	5mm		Standard cable	\$40.35
8079	CMGM800803P*		Straight M8	0.3m	5mm		Standard cable	\$27.92

- \*Use #8079 & #8087 for wiring into a quick changer, see page 16 for more information.

**Interface Cables (connectors on both ends)**


Quick#	Part#	End 1 (to component)		Cord		End 2 (to robot)		Notes:	Price
		Pins	Connector	Length	Ø	Pins	Connector		
7712	GSE-TSC180-M803	3 (F)	Straight M8	0.3m	2.2mm	3 (M)	Straight M8	Thin cable	\$13.94
7713	GSE-TSC180-M805	3 (F)	Straight M8	0.5m	2.2mm	3 (M)	Straight M8	Thin cable	\$15.08
7714	GSE-TSC180-M812	3 (F)	Straight M8	1.2m	2.2mm	3 (M)	Straight M8	Thin cable	\$16.22
7335	GSE-CS180-M81	3 (F)	Straight M8	1m	4mm	3 (M)	Straight M8	Standard cable	\$17.00
7336	GSE-CS180-M82	3 (F)	Straight M8	2m	4mm	3 (M)	Straight M8	Standard cable	\$17.50
7337	GSE-CS90-M81	3 (F)	Straight M8	1m	4mm	3 (M)	90° M8	Standard cable	\$17.00
7338	GSE-CS90-M82	3 (F)	Straight M8	2m	4mm	3 (M)	90° M8	Standard cable	\$18.20
8084	CRC-650-3P	3 (F)	Straight M8	0.65m	4mm	3 (M)	Straight M8	Continuous Flex	\$32.00
8085	CRC-750-3P	3 (F)	Straight M8	0.75m	4mm	3 (M)	Straight M8	Continuous Flex	\$32.00
8086	CRC-1000-3P	3 (F)	Straight M8	1m	4mm	3 (M)	Straight M8	Continuous Flex	\$32.00
8088	CFGM8908CF8903010*	3 (F)	90° M8	0.1m	4.3mm	8 (M)	90° M8	Standard cable	\$33.51
8089	CFGM8908CF8904010*	4 (F)	90° M8	0.1m	4.3mm	8 (M)	90° M8	Standard cable	\$35.75

- Reference drawings in the chart above for wiring information and refer to our website for additional information.
- \*Use #8088 & #8089 to connect electric grippers direct to the Tool I/O at the wrist of a cobot, see page 16 for more information.