



Top product features!

- ifm's ecolink cordsets feature "Lock-in-Place" coupling nut that resists high levels of shock and vibration
- Cordsets offer high-flex PUR jacketed cable rated for over 5 million flex cycles
- A special insert design includes a mechanical end stop that prevents damage to viton o-ring from over tightening
- Right angle black housings feature highly-visible status indication LEDs that can be seen from farther distances



ecolink M8 DC Pico cordsets

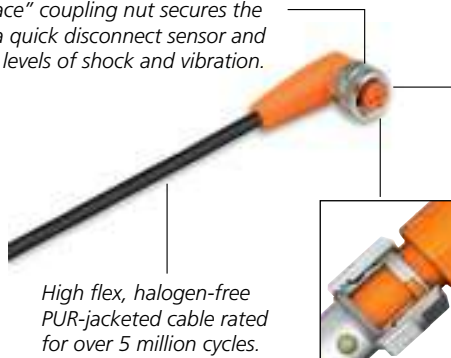


ifm's rugged ecolink cordsets are designed and tested to withstand the harsh conditions in industrial automation applications. The product line meets cULus approval, RoHS standards and is silicon and halogen free. The high-flex PUR jacketed cable is rated to over 5 million flex cycles. ecolink's connection technology meets the M8 standard EN 61076.



IP68 / IP69K

"Lock-in-Place" coupling nut secures the cordset to a quick disconnect sensor and resists high levels of shock and vibration.



High flex, halogen-free PUR-jacketed cable rated for over 5 million cycles.

316 stainless steel sleeve with sawtooth contour maintains optimum sealing and prevents the cordset from detaching.

Special insert design acts as a mechanical end stop preventing possible damage to Viton o-ring from over tightening.

Problem	Solution
Traditional cordsets with transparent housings are hard to see.	ifm cordsets have high visibility LEDs with good contrast.

Company	IO-Link	Position Sensors				Motion Control			Vision Sensors
	IO-Link	Inductive	Capacitive	Cylinder / valve position	Photoelectrics / lasers / fiber optics	Distance / Application specific	Ultrasonic	Encoders / Speed monitors	2D / 3D inspection
1 - 5	6 - 21	22 - 55	56 - 61	62 - 71	72 - 111	112 - 117	118 - 119	120 - 127	128 - 143



Top product features!

- Redesigned 3-pin wiring block can be used as input and / or output device
- Reduces installation time and simplifies wiring
- Power and signal LED displays for quick and accurate troubleshooting
- Additional O-ring seal between M12 connector and housing
- Smaller housing for applications with limited mounting space

M8 wiring block systems offer quick installation and eliminate junction boxes and terminal strips



NEW! Eliminate junction boxes and terminal strips and make your wiring plug-and-play. ifm's **ecolink** wiring block systems ensure quick connection in industrial automation applications. Available in 4-port and 8-port configurations.

ifm's newly redesigned wiring blocks offer a higher protection rating (IP68) due to an additional O-ring seal between the M12 connector and housing. The block is manufactured with a smaller, more robust housing for low-profile mounting in applications with tight mounting space. The blocks meet the requirements of Class II protection insulation.

ifm's wiring block systems are vibration and shock resistant. Status indication LEDs indicate power and output at each port location. Dust caps and labels are provided with each port.

ecolink M8 patchcords ensure reliable connection

In addition to ecolink cordsets, ifm manufactures patchcords with the same reliable features such as "lock-in-place" coupling nuts, mechanical end stops that protect O-rings and stainless steel sleeves that maintain optimum sealing.

Cable lengths range from 0.3 meters to 5 meters.

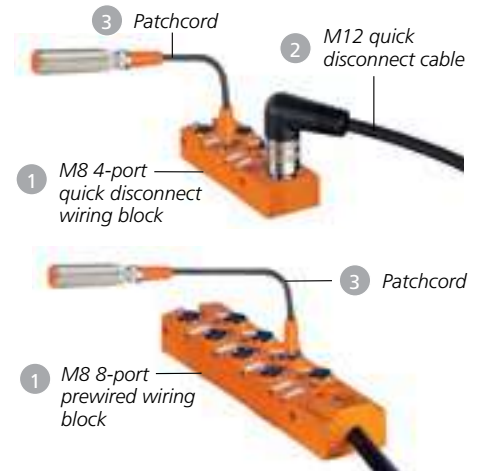
Patchcord options include:

- straight / straight design
- straight / right angle design
- straight / right angle with status LED



Wiring block systems:

- 4-port quick disconnect
- 4-port prewired
- 8-port prewired












Technical Specs

Operating voltage: 10...30 VDC, PNP
 Housing material: PBT
 Contacts: Gold plated
 Receptacle housing: Nickel-plated brass
 Temperature range: -25...90 °C
 LEDs: Power, green; output, yellow
 Cable: PUR
 Protection rating: IP68













Company	IO-Link		Position Sensors					Motion Control		Vision Sensors
	IO-Link	Inductive	Capacitive	Cylinder / valve position	Photoelectrics / lasers / fiber optics	Distance / Application specific	Ultrasonic	Encoders / Speed monitors	2D / 3D inspection	
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Product + accessory selector

Type	Design	Contact Pins	Operating Temperature	Function Display Power / Switching Status	Cable Length	Part No.	List price USD
M8 Pico wiring block • PNP • Quick disconnect							
	Female ports 	4-port block for 3-wire sensors	3	-25...80 °C	green / 4 x yellow	–	EBC050 \$59.00
	Female 	M12 right angle connector	8	-25...80 °C	–	5 m 10 m	E11232 \$36.00 E12260 \$75.00
M8 Pico wiring block • PNP • 3-Pin • prewired							
	Female ports 	8-port block for 3-wire sensors	3	-25...80 °C	green / 8 x yellow	5 m 10 m	EBC054 \$110.00 EBC055 \$120.00
	Female ports 	4-port block for 3-wire sensors	3	-25...80 °C	green / 4 x yellow	5 m 10 m	EBC048 \$76.00 EBC049 \$91.00
	M8 dust caps - pack of 10	–	–	–	–	E73005	\$8.00

Contact ifm for NPN versions.

Type	Face View	Maximum Supply Voltage	Protection Rating / Temperature Rating Approval	Cable Length	Part No.	List price USD
3 Pico patchcords • 3-pin • PUR jacket						
	Male 	Female 	M8 straight male to M8 straight female	50 VAC / 60 VDC	IP67 / IP68 / IP69K -25...90 °C	0.6 m EVC266 \$22.00 1 m EVC267 \$23.00 2 m EVC268 \$25.00 5 m EVC269 \$28.00
	Male 	Female 	M8 straight male to M8 right angle female	50 VAC / 60 VDC	IP67 / IP68 / IP69K -25...90 °C	0.6 m EVC276 \$22.00 1 m EVC277 \$23.00 2 m EVC278 \$25.00 5 m EVC279 \$28.00
3 Pico M8 / Micro M12 patchcords • 3-pin • PUR jacket						
	Male 	Female 	M8 straight male to M12 straight female	50 VAC / 60 VDC	IP67 / IP68 / IP69K -25...90 °C	0.6 m EVC256 \$18.00 1 m EVC257 \$19.00 2 m EVC258 \$22.00 5 m EVC259 \$26.00
	Male 	Female 	M8 straight male to M12 right angle female	50 VAC / 60 VDC	IP67 / IP68 / IP69K -25...90 °C	0.6 m EVC246 \$19.00 1 m EVC247 \$20.00 2 m EVC248 \$22.00 5 m EVC249 \$26.00

Other patchcord variations are available, contact ifm 800-441-8246.

Safety Technology

Process Sensors

Industrial Networks

ID Systems

Machine Condition

Power Supplies

Wiring Technology

Safety products

Pressure

Flow

Level

Temperature

AS-i network

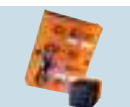
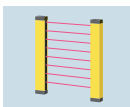
Safety systems

RF identification systems

Diagnostic systems

Power supplies

Cordset solutions



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Top product features!

- New 4-pin wiring block with improved design can be used as input and / or output device
- Quick installation and simplified wiring
- Power and output LED indication for fast troubleshooting
- Increased IP68 protection rating due to additional O-ring seal between M12 connector and housing
- Smaller, more robust housing offers low-profile mounting

M8 wiring block systems offer quick installation and robust housings



NEW! Eliminate junction boxes and terminal strips and make your wiring plug-and-play. ifm's **ecolink** wiring block systems ensure quick connection in industrial automation applications. Available in 4-port and 8-port configurations.

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ecolink M8 patchcords ensure reliable connection

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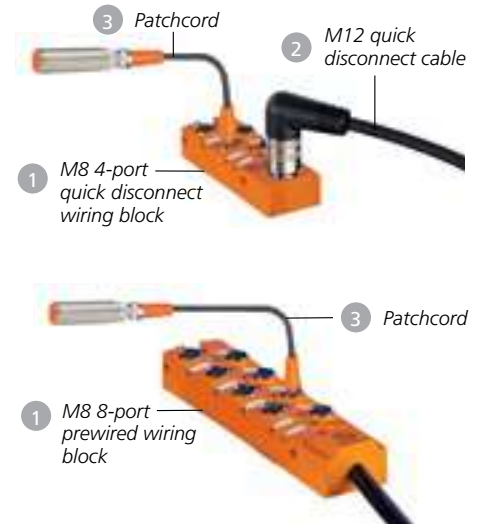
Patchcord options include:

- straight / straight design
- straight / right angle design
- straight / right angle with status LED













Wiring block systems:

- 4-port quick disconnect
- 4-port prewired
- 8-port prewired




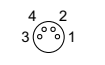

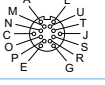

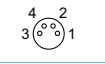

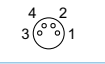

Technical Specs

Operating voltage: 10...30 VDC, PNP
 Housing material: PBT
 Contacts: Gold plated
 Receptacle housing: Nickel-plated brass
 Temperature range: -25...90 °C
 LEDs: Power, green; output, yellow
 Cable: PUR
 Protection rating: IP68




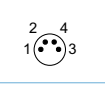

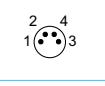


Company	IO-Link	Position Sensors				Motion Control			Vision Sensors	
	IO-Link	Inductive	Capacitive	Cylinder / valve position	Photoelectrics / lasers / fiber optics	Distance / Application specific	Ultrasonic	Encoders / Speed monitors	2D / 3D inspection	
										
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Product + accessory selector

Type	Design	Contact Pins	Operating Temperature	Function Display Power / Switching Status	Cable Length	Part No.	List price USD
M8 Pico wiring block • PNP • Quick disconnect							
	Female ports 	4	-25...80 °C	green / 4 x yellow	-	EBC053	\$96.00
	Female 	14	-25...90 °C	-	5 m	E11697	\$82.00
					10 m	E11227	\$126.00
M8 Pico wiring block • PNP • 4-Pin • prewired							
	Female ports 	4	-25...80 °C	green / 4 x yellow	5 m	EBC051	\$86.00
					10 m	EBC052	\$115.00
	Female ports 	4	-25...80 °C	green / 8 x yellow	5 m	EBC056	\$141.00
					10 m	EBC057	\$164.00
	M8 dust caps - pack of 10	-	-	-	-	E73005	\$8.00

Contact ifm for NPN versions.

Type	Face View	Maximum Supply Voltage	Protection Rating / Temperature Rating Approval	Cable Length	Part No.	List price USD
3 Pico patchcords • 4-pin • PUR jacket						
	Male Female 	50 VAC / 60 VDC	IP67 / IP68 / IP69K -25...90 °C	0.6 m	EVC311	\$24.00
				1 m	EVC312	\$25.00
				2 m	EVC313	\$27.00
				5 m	EVC314	\$30.00
	Male Female 	50 VAC / 60 VDC	IP67 / IP68 / IP69K -25...90 °C	0.6 m	EVC301	\$24.00
				1 m	EVC302	\$25.00
				2 m	EVC303	\$27.00
				5 m	EVC304	\$30.00
	Male Female 	50 VAC / 60 VDC	IP67 / IP68 / IP69K -25...90 °C	0.6 m	EVC296	\$18.00
				1 m	EVC297	\$19.00
				2 m	EVC298	\$22.00
				5 m	EVC299	\$26.00
	Male Female 	50 VAC / 60 VDC	IP67 / IP68 / IP69K -25...90 °C	0.6 m	EVC286	\$18.00
				1 m	EVC287	\$19.00
				2 m	EVC288	\$22.00
				5 m	EVC289	\$26.00

Safety Technology

Process Sensors

Industrial Networks

ID Systems

Machine Condition

Power Supplies

Wiring Technology

Safety products

Pressure

Flow

Level

Temperature

AS-i network

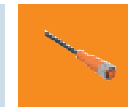
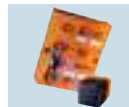
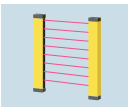
Safety systems

RF identification systems

Diagnostic systems

Power supplies

Cordset solutions



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Top product features!

- ecolink cordsets feature "Lock-in-Place" coupling nuts that resist high levels of shock and vibration
- Available with high-flex PUR cable rated for over 5 million flex cycles or weld slag resistant cable rated for over 2 million cycles
- Special insert design acts as a mechanical end stop preventing possible damage to Viton o-ring from over tightening
- Materials of construction tested to withstand harsh conditions and aggressive oils and coolants
- Cordsets feature a broad operating temperature of -25 to 90 °C with cULus approval

ecolink M12 Micro DC cordsets



ifm's ecolink M12 cordsets are designed and tested to resist harsh conditions in industrial automation and oils and coolants. The product line meets cULus approval, RoHS standards and is silicon and halogen free. The high-flex PUR jacketed cable is rated to over 5 million flex cycles. ecolink's connection technology meets the M12 standard EN 61076.



A variety of rugged cordsets to fit most applications



ifm ecolink cordsets are available in a variety of configurations and cable lengths for application versatility. The family includes right angle models with LEDs, standard straight cordsets, standard right angle cordsets and patchcords.

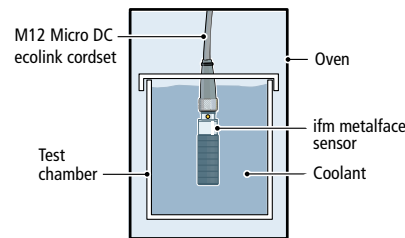


The 316 stainless steel sleeve with sawtooth contour maintains optimum sealing and prevents the cordset from detaching.

High temperature coolant test

Sensors and cordsets are completely submerged in industrial oils and coolants for a prolonged period at a temperature of 176° F.




Following the test, the product's characteristics and zero-leak design are verified for reliable operation.





Company	IO-Link	Position Sensors					Motion Control	Vision Sensors	
	IO-Link	Inductive	Capacitive	Cylinder / valve position	Photoelectrics / lasers / fiber optics	Distance / Application specific	Ultrasonic	Encoders / Speed monitors	2D / 3D inspection
1 - 5	6 - 21	22 - 55	56 - 61	62 - 71	72 - 111	112 - 117	118 - 119	120 - 127	128 - 143






Product + accessory selector



Type	Face View	Maximum Supply Voltage	Protection Rating / Temperature Rating Approval	Cable Length	Part No.	List Price (1-pc.)	
Micro DC cordsets • 4 pin • PUR jacket							
	Female	Pin 1 brown Pin 2 white Pin 3 blue Pin 4 black Pin 5 not used	250 VAC / 300 VDC	IP67 / IP68 / IP69K -25 °C...90 °C cULus	2 M	EVC001	\$11.00
					5 M	EVC002	\$15.00
					10 M	EVC003	\$19.00
	Female	Pin 1 brown Pin 2 white Pin 3 blue Pin 4 black Pin 5 not used	250 VAC / 300 VDC	IP67 / IP68 / IP69K -25 °C...90 °C cULus	2 M	EVC004	\$11.00
					5 M	EVC005	\$15.00
					10 M	EVC006	\$19.00
LED 	Female	Pin 1 brown Pin 2 white Pin 3 blue Pin 4 black Pin 5 not used	10...36 VDC	IP67 / IP68 / IP69K -25 °C...90 °C cULus	2 M	EVC007	\$13.00
					5 M	EVC008	\$16.00
					10 M	EVC009	\$20.00

Micro DC cordsets • 4 pin • PUR jacket • weld slag resistant							
	Female	Pin 1 brown Pin 2 white Pin 3 blue Pin 4 black	250 VAC / 300 VDC	IP67 / IP68 / IP69K -25 °C...90 °C	2 M	EVW001	\$17.00
					5 M	EVW002	\$22.00
	Female	Pin 1 brown Pin 2 white Pin 3 blue Pin 4 black	250 VAC / 300 VDC	IP67 / IP68 / IP69K -25 °C...90 °C	2 M	EVW004	\$17.00
					5 M	EVW005	\$22.00

Other cordset variations are available, contact ifm 800-441-8246.

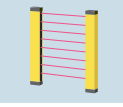






Converter cable PNP to NPN							
	Female	Pin 1: Brown Pin 3: Blue Pin 4: Black	24 VDC ±10%	IP67 / IP68 / IP69K -25 °C...60 °C	5 M	EVC01E	\$19.00

Field wirable connectors • 4 Pin • Screw terminals							
	Female	M12 connector straight	250 AC / DC	IP68 -25...100 °C	4 - 6 mm cable OD	E11508	\$16.00
	Male	M12 connector straight	250 AC / DC	IP68 -25...100 °C	4 - 6 mm cable OD	E11504	\$16.00

Field wirable connectors • 4 Pin • IDC termination							
	Female	M12 connector straight	250 AC / DC	IP68 -25...85 °C	4 - 5 mm cable OD	E18059	\$17.00
	Male	M12 connector straight	250 AC / DC	IP68 -25...85 °C	4 - 5 mm cable OD	E18058	\$17.00

Technical Specs

High flex PUR cable jacket: Part Nos. EVC001 - EVC009 and EVC01E
 Nickel plated brass coupling nut: Part Nos. EVC001 - EVC009 and EVC01E
 Weld slag resistant PUR jacket: Part Nos. EVW001, EVW002, EVW004, EVW005
 Epoxy coated zinc coupling nut: Part Nos. EVW001, EVW002, EVW004, EVW005
 Contacts: Gold plated
 Conductors: 22 AWG
 PNP LED: Part Nos. EVC007, EVC008, EVC009
 O-ring material: Viton™
 Current rating: 4 A; 0.1 A: Part No. EVC01E
 Tightening torque coupling nut: 0.6...1.5 Nm

Safety Technology	Process Sensors	Industrial Networks	ID Systems	Machine Condition	Power Supplies	Wiring Technology
Safety products	Pressure	AS-i network	RF identification systems	Diagnostic systems	Power supplies	Cordset solutions
						
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Top product features!

- Fully shielded cable and connector
- Available with metal braided shield connected or not connected to coupling nut
- "Lock-in-Place" coupling nut resists high levels of shock and vibration
- High-flex PUR-jacketed cable rated for over 2 million flex cycles
- Special insert design acts as a mechanical end-stop preventing possible damage to Viton O-ring from over-tightening

ecolink M12 Micro DC cordsets for EMI environments

ifm's ecolink M12 shielded cordsets are designed to protect against EMI (Electromagnetic Interference), vibration and damage to the O-ring seal. The lock-in-place coupling nut design resists high levels of shock and vibration. An integrated end stop protects the O-ring from damage caused by over-tightening the coupling nut.

Industrial applications such as the plant floor are typically electrically noisy environments. The primary way to reduce EMI in cables is through the use of shielding. ifm's shielded cordsets are manufactured with a metal braided shield, high strength PUR jacket and a 2 million flex cycle rating.

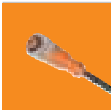


The ecolink M12 product line meets cULus approval, RoHS standards and is silicon and halogen free. ecolink's connection technology meets the M12 standard EN 61076.


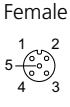

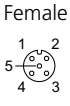

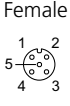

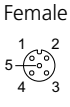

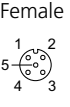

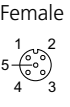

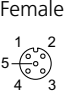

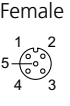


The 360° metal braided shield around conductors and connector provides maximum protection in environments affected by noise.

Company	IO-Link		Position Sensors					Motion Control	Vision Sensors
	IO-Link	Inductive	Capacitive	Cylinder / valve position	Photoelectrics / lasers / fiber optics	Distance / Application specific	Ultrasonic	Encoders / Speed monitors	2D / 3D inspection
1 - 5	6 - 21	22 - 55	56 - 61	62 - 71	72 - 111	112 - 117	118 - 119	120 - 127	128 - 143



Product + accessory selector

Type	Face View	Maximum Supply Voltage	Protection Rating / Temperature Rating Approval	Cable Length	Part No.	List Price (1-pc.)
ecolink M12 Micro DC cordsets • 4-pin • Shield not connected to coupling nut						
	Female 	Pin 1 brown	50 V AC / 60 V DC	IP65 / IP67 / IP68 / IP69K	2 M	EVC526 \$19.00
		Pin 2 white	50 V AC / 60 V DC	IP65 / IP67 / IP68 / IP69K	5 M	EVC527 \$24.00
		Pin 3 blue Pin 4 black Pin 5 not used	50 V AC / 60 V DC	IP65 / IP67 / IP68 / IP69K	10 M	EVC528 \$31.00
	Female 	Pin 1 brown	50 V AC / 60 V DC	IP65 / IP67 / IP68 / IP69K	2 M	EVC529 \$19.00
		Pin 2 white	50 V AC / 60 V DC	IP65 / IP67 / IP68 / IP69K	5 M	EVC530 \$24.00
		Pin 3 blue Pin 4 black Pin 5 not used	50 V AC / 60 V DC	IP65 / IP67 / IP68 / IP69K	10 M	EVC531 \$31.00
ecolink M12 Micro DC cordsets • 5-pin • Shield not connected to coupling nut						
	Female 	Pin 1 brown	30 V AC / 36 V DC	IP65 / IP67 / IP68 / IP69K	2 M	EVC532 \$22.00
		Pin 2 white	30 V AC / 36 V DC	IP65 / IP67 / IP68 / IP69K	5 M	EVC533 \$26.00
		Pin 3 blue Pin 4 black Pin 5 gray	30 V AC / 36 V DC	IP65 / IP67 / IP68 / IP69K	10 M	EVC534 \$33.00
	Female 	Pin 1 brown	30 V AC / 36 V DC	IP65 / IP67 / IP68 / IP69K	2 M	EVC535 \$22.00
		Pin 2 white	30 V AC / 36 V DC	IP65 / IP67 / IP68 / IP69K	5 M	EVC536 \$26.00
		Pin 3 blue Pin 4 black Pin 5 gray	30 V AC / 36 V DC	IP65 / IP67 / IP68 / IP69K	10 M	EVC537 \$33.00
ecolink M12 Micro DC cordsets • 4-pin • Shield connected to coupling nut						
	Female 	Pin 1 brown	50 V AC / 60 V DC	IP65 / IP67	2 M	EVC538 \$27.00
		Pin 2 white	50 V AC / 60 V DC	IP65 / IP67	5 M	EVC539 \$32.00
		Pin 3 blue Pin 4 black Pin 5 not used	50 V AC / 60 V DC	IP65 / IP67	10 M	EVC540 \$41.00
	Female 	Pin 1 brown	50 V AC / 60 V DC	IP65 / IP67	2 M	EVC541 \$27.00
		Pin 2 white	50 V AC / 60 V DC	IP65 / IP67	5 M	EVC542 \$32.00
		Pin 3 blue Pin 4 black Pin 5 not used	50 V AC / 60 V DC	IP65 / IP67	10 M	EVC543 \$41.00
ecolink M12 Micro DC cordsets • 5-pin • Shield connected to coupling nut						
	Female 	Pin 1 brown	30 V AC / 36 V DC	IP65 / IP67	2 M	EVC544 \$29.00
		Pin 2 white	30 V AC / 36 V DC	IP65 / IP67	5 M	EVC545 \$36.00
		Pin 3 blue Pin 4 black Pin 5 gray	30 V AC / 36 V DC	IP65 / IP67	10 M	EVC546 \$47.00
	Female 	Pin 1 brown	30 V AC / 36 V DC	IP65 / IP67	2 M	EVC547 \$29.00
		Pin 2 white	30 V AC / 36 V DC	IP65 / IP67	5 M	EVC548 \$36.00
		Pin 3 blue Pin 4 black Pin 5 gray	30 V AC / 36 V DC	IP65 / IP67	10 M	EVC549 \$47.00

Technical Specs

Current rating: 4 A
 Tightening torque: 0.6...1.5 Nm
 Ambient temperature: -25...90 °C
 Flex rating: 2 million cycles

Material body: TPU housing, Viton O-ring
 Material coupling nut: Nickel-plated brass
 Cable: PUR, halogen-free, shielded, 4 x 22 AWG, Ø 4.9 mm
 5 x 24 AWG, Ø 4.9 mm
 Approvals: cULus

Safety Technology

Process Sensors

Industrial Networks

ID Systems

Machine Condition

Power Supplies

Wiring Technology

Safety products

Pressure

Flow

Level

Temperature

AS-i network

Safety systems

RF identification systems

Diagnostic systems

Power supplies

Cordset solutions



144 - 155

156 - 175

176 - 191

192 - 207

208 - 225

226 - 239

240 - 251

252 - 253

254 - 259

260 - 263

264 - 277





Top product features!

- Designed to reduce installation time and simplify wiring
- Can be used as an input and / or output device
- Power and signal LED displays for quick and accurate troubleshooting
- Available with single or dual LED outputs
- Dust caps and identification labels available

ecolink M12 wiring block systems with built-in LEDs for input and output devices



ifm's passive wiring block systems provide a rugged yet simple solution for wire consolidation in applications with a high-density of input or output connections. Wiring block systems can replace junction boxes, terminal strips and will help to prevent wiring mistakes.

When using wiring block systems, devices can be changed in seconds, greatly reducing maintenance costs.

ifm offers a wide selection of patchcords that connect to the wiring block systems.



Robust wiring blocks withstand harsh environments

For application versatility, wiring blocks are available in cabled models as well as quick disconnect models that require an M23 quick disconnect cable for electrical connection.

Quick connection with ecolink patchcords and blocks

Patchcords are available in cable lengths starting at 0.3 meters up to 5 meters.







* For 6-port and non-LED versions, visit www.ifm.com/us. Labels and dust caps are available.

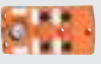
Company	IO-Link		Position Sensors					Motion Control	Vision Sensors	
	IO-Link	Inductive	Capacitive	Cylinder / valve position	Photoelectrics / lasers / fiber optics	Distance / Application specific	Ultrasonic	Encoders / Speed monitors	2D / 3D inspection	
	1 - 5	6 - 21	22 - 55	56 - 61	62 - 71	72 - 111	112 - 117	118 - 119	120 - 127	128 - 143

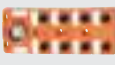







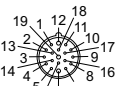


Product + accessory selector



Type	Design	Contact Pins	Operating Voltage	Function Display Power/Switching Status	Cable Length	Part No.	List Price (1-pc.)
1 M12 Micro DC wiring blocks • PNP • Single output LED • Prewired							
	4-port block with output on pin 4	5	10...30 VDC	green / 4 x yellow	5 M	EBC015	\$131.00
	4-port block with output on pin 4	5	10...30 VDC	green / 4 x yellow	10 M	EBC027	\$162.00
	8-port block with output on pin 4	5	10...30 VDC	green / 8 x yellow	5 M	EBC023	\$191.00
	8-port block with output on pin 4	5	10...30 VDC	green / 8 x yellow	10 M	EBC035	\$228.00

1 M12 Micro DC wiring blocks • PNP • Dual output LED • Prewired							
	4-port block with output on pin 2 and 4	5	10...30 VDC	green / 8 x yellow	5 M	EBC016	\$175.00
	4-port block with output on pin 2 and 4	5	10...30 VDC	green / 8 x yellow	10 M	EBC028	\$197.00
	8-port block with output on pin 2 and 4	5	10...30 VDC	green / 16 x yellow	5 M	EBC024	\$222.00
	8-port block with output on pin 2 and 4	5	10...30 VDC	green / 16 x yellow	10 M	EBC036	\$270.00

1 M12 Micro DC wiring blocks • PNP • Single output LED • M23 quick disconnect							
	4-port block with output on pin 4	5	10...30 VDC	green / 4 x yellow	–	EBC002	\$97.00
	8-port block with output on pin 2 and 4	5	10...30 VDC	green / 8 x yellow	–	EBC010	\$155.00












M12 Micro DC wiring blocks • PNP • Dual output LED • M23 quick disconnect							
	4-port block with output on pin 4	5	10...30 VDC	green / 8 x yellow	–	EBC004	\$144.00
	8-port block with output on pin 2 and 4	5	10...30 VDC	green / 16 x yellow	–	EBC012	\$169.00

2 M23 quick disconnect cable				
Type	Face View	Cable Length	Part No.	List Price (1-pc.)
	Female 	5 m	E11736	\$144.00
		10 m	E11737	\$200.00
	Female 	5 m	E11739	\$144.00
		10 m	E11740	\$200.00
	Female 	5 m	E11742	\$204.00
		10 m	E11743	\$277.00
	Female 	5 m	E11745	\$204.00
		10 m	E11746	\$277.00

3 Micro DC patchcords • 4 pin • PUR jacket					
Type	Design	Cable Length	Part No.	List Price (1-pc.)	
	Male Female M12 straight male to M12 straight female	0.6 M	EVC011	\$17.00	
		1 M	EVC012	\$18.00	
		2 M	EVC013	\$20.00	
		5 M	EVC014	\$21.00	
	Male Female M12 straight male to M12 90° female	0.6 M	EVC016	\$17.00	
		1 M	EVC017	\$18.00	
		2 M	EVC018	\$20.00	
		5 M	EVC019	\$21.00	

Technical Specs

Operating voltage: 250 AC / 300 DC; Part Nos. EVC011 - EVC019
 Max. total current: 12 A
 Max. load current per port: 4 A
 Wiring blocks protection: IP67 / IP68
 Patchcords protection: IP67 / IP68 / IP69K
 Operating temperature: -25...80 °C (wiring blocks); -25...90 °C (patchcords)

Safety Technology	Process Sensors	Industrial Networks	ID Systems	Machine Condition	Power Supplies	Wiring Technology
Safety products	Pressure	AS-i network	Safety systems	RF identification systems	Diagnostic systems	Power supplies
						
144 - 155	156 - 175	226 - 239	240 - 251	252 - 253	254 - 259	260 - 263
						
						264 - 277
						



Top product features!

- Industry standard color coding
- Vibration resistant coupling nut
- Viton O-ring
- Low-resistance contact design with gold plated contacts
- Available with PVC or TPE cable

Rugged Micro AC cordsets are designed for industrial automation and metal forming applications



Why choose PVC or TPE cable material

PVC (polyvinylchloride) offers excellent performance in a wide range of temperatures. PVC cables resist flame, heat, moisture and abrasion. PVC is considered the most commonly used cable jacket material in industrial automation applications.

TPE (thermoplastic elastomer) resists a broad range of oils, chemicals, acids and solvents. TPE is a high flex material and is rated for over 5 million flex cycles. It can be used in continuous flex applications such as robotic arms and grippers.

Reliable performance



High flex TPE-jacketed cable rated for over 5 million flex cycles.



Broad operating temperature
PVC: -20 to 80 °C
TPE: -45 to 105 °C



Materials of construction tested to withstand harsh conditions and aggressive oils and coolants.



UL and CSA approved

Company	IO-Link	Position Sensors		Cylinder / valve position	Photoelectrics / lasers / fiber optics	Distance / Application specific	Ultrasonic	Motion Control	Vision Sensors
	IO-Link	Inductive	Capacitive					Encoders / Speed monitors	2D / 3D inspection
1 - 5	6 - 21	22 - 55	56 - 61	62 - 71	72 - 111	112 - 117	118 - 119	120 - 127	128 - 143



Product + accessory selector

Type	Face View	Cable Jacket Material	Maximum Supply Voltage	Protection Rating / Temperature Rating Approval	Cable Length	Part No.	List Price (1-pc.)	
Micro AC cordsets • 3 Pin 1/2" – 20 UNF • PVC cable								
	Female 	Pin 1 green Pin 2 red/black Pin 3 red/white	PVC	300 VAC / VDC	IP68 NEMA 6P -20 °C...80 °C UL / CSA	2 M	E18212	\$15.00
						5 M	E18213	\$19.00
	Female 	Pin 1 green Pin 2 red/black Pin 3 red/white	PVC	300 VAC / VDC	IP68 NEMA 6P -20 °C...80 °C UL / CSA	2 M	E18214	\$15.00
						5 M	E18215	\$19.00
Micro AC cordsets • 3 Pin 1/2" - 20 UNF • TPE cable								
	Female 	Pin 1 green Pin 2 red/black Pin 3 red/white	TPE	300 VAC / VDC	IP68 NEMA 6P -45 °C...105 °C UL / CSA	2 M	E18200	\$22.00
						5 M	E18201	\$25.00
						10 M	E18202	\$38.00
	Female 	Pin 1 green Pin 2 red/black Pin 3 red/white	TPE	300 VAC / VDC	IP68 NEMA 6P -45 °C...105 °C UL / CSA	2 M	E18203	\$22.00
						5 M	E18204	\$25.00
						10 M	E18205	\$38.00
Micro AC wirable connectors, screw termination • 3-Pin 1/2" – 20 UNF								
	Female 	-	250 VAC	IP67 NEMA 6P (in fully locked position) -25 °C...90 °C	4 - 6 mm	L34103	\$15.00	
					4 - 6 mm	E10789	\$15.00	
	Male 	-	250 VAC	IP67 NEMA 6P (in fully locked position) -25 °C...90 °C	4 - 6 mm	L34101	\$15.00	
					4 - 6 mm	E10788	\$15.00	

▶ Can't find the right sensor for your application, call 800-441-8246 or visit www.ifm.com/us

Technical Specs

Coupling nut: Nickel plated brass
 Housing: Nylon: Part Nos. L34101, L34103, E10788, E10789
 Contacts: Gold plated
 Conductors size: 22 AWG
 O-ring material: Viton™
 18 AWG maximum: Part Nos. L34101, L34103, E10788 and E10789



Reliable service center

The ifm service center team provides tech support, product quotes, delivery information and order placement.

- Place orders, tech support**
800-441-8246
- Visit our product catalog**
www.ifm.com/us
- Shop for products online**
Easy ordering via eShop

Safety Technology	Process Sensors				Industrial Networks		ID Systems	Machine Condition	Power Supplies	Wiring Technology
Safety products	Pressure	Flow	Level	Temperature	AS-i network	Safety systems	RF identification systems	Diagnostic systems	Power supplies	Cordset solutions
144 - 155	156 - 175	176 - 191	192 - 207	208 - 225	226 - 239	240 - 251	252 - 253	254 - 259	260 - 263	264 - 277