



Protected signal transmission

Screened ecolink M12 cables for machine tools

- Resistant to oils and coolants
- Protected against electromagnetic interference
- Accurate and tight mounting by hand
- Permanently secured against loosening caused by vibration



IP69K

ifm – close to you!

Version	Straight connector	Straight connector	Straight connector	Straight connector / straight socket	Straight connector / straight socket	Straight connector / straight socket
	4 pins	5 pins	5 pins	4 pins	5 pins	4 pins
	Screened	Screened	Screen connected to the housing	Screen connected to the housing on both sides	Screen connected to the housing on both sides	Screen connected to the socket
2 m	EVCB34	EVCB39	EVCB44	EVCB49	EVCB55	-
5 m	EVCB35	EVCB40	EVCB45	EVCB50	EVCB56	EVCB54
10 m	EVCB36	EVCB41	EVCB46	EVCB51	EVCB57	-
15 m	EVCB37	EVCB42	EVCB47	EVCB52	EVCB58	-
25 m	EVCB38	EVCB43	EVCB48	EVCB53	EVCB59	-

Protecting sensitive signals

In industrial production facilities, screened connection cables are indispensable for the transmission of analogue sensor signals, as these are sensitive to electromagnetic interference. Sources of interference such as machines and frequency converters can cause signal noise or distortion, which can falsify measured data. Screening protects the signals from such influences, ensuring precise data transmission. This is essential to ensure controller accuracy, production quality and operational safety.

What makes ecolink special

ecolink is a connector solution developed by ifm that stands out for its excellent reliability and durability. Thanks to its sophisticated design, the seal remains reliable over time, even with toolless mounting. A mechanical end stop protects against over-tightening and, together with the integral O-ring, provides for optimum sealing. What is more, a vibration protection with saw-tooth contour ensures that the nut remains securely fixed even under shock and vibration loads. ecolink stands for quality and safety in demanding industrial applications and is compatible with industrial M8 and M12 connections.

Technical data		
Operating voltage	[V AC / V DC]	< 50 / < 60
Total current rating	[A]	4
Core cross-section	[mm ²]	0.34
Ambient temperature	[°C]	-25...90
Moulded body material Coupling nut Cable		TPU nickel-plated brass PUR
Protection rating		IP67, IP68, IP69K

BEST FRIENDS



VSA acceleration sensor
Robust vibration sensor with high protection rating



Vibration monitor
Intuitive switch point setting via setting rings



IO-Link converter
Conversion between analogue and IO-Link signals



For further technical details, please visit:
ifm.com/fs/EVCB34