



深圳市盛格纳电子有限公司
Shenzhen Signal Electronics Co., Ltd
SIGNAL Group (HK) Co., Limited



Machine Vision Connector & Cable
机器视觉连接器及线束

Your Reliable Partner in Connectivity!

2025 A Version

公司简介 About Us

深圳市盛格纳电子有限公司（注册商标SIGNAL，以下简称盛格纳）是一家专业的连接器和线束制造商。盛格纳专注于工业领域的连接器研发制造和线束组装加工，并提供客制化解决方案。盛格纳成立于2009年，总部位于深圳市光明区，拥有40000平方米的标准工业厂房，拥有一支600余人的研发、制造、销售团队，模具车间、注塑车间、五金车间、连接器装配车间、线束加工车间，以及按行业国际标准建设的实验室，并已荣获多项技术专利，是国家高新技术，国家级专精特新“小巨人”企业，服务于全球多家500强知名企业。

Shenzhen Signal Electronics Co., Ltd was established in 2009. As an innovative and aggressive company in Shenzhen, China, we are professionals in manufacturing, researching, and developing world-class, high-quality industrial connectors. With our strong R&D ability and flexible production lines, we can provide one-stop connection solutions and complicated customized solutions. As an international company, we also take social responsibility, respect individuals, and insist on protecting the environment.



优势

- M5, M6, M8, M9, M12, M14, M16, M23, M40, 7/8", MINI-DIN, MIL-C-5015, 分线盒 等
- (A, B, C, D, X, S, T, L, P...编码)
- 电缆束组件
- 定制连接器和电缆
- 一站式解决方案

Advantage

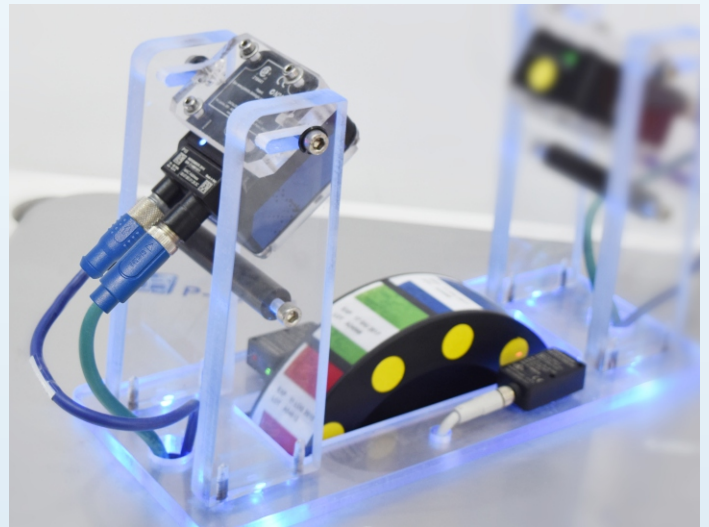
- M5, M6, M8, M9, M12, M14, M16, M23, M40, 7/8", MINI-Din, MIL-C-5015, Distribution box, etc.
- (A, B, C, D, X, S, T, L, P...-Coding)
- Cable harness assembly
- Customized connectors and cables
- One-stop solution

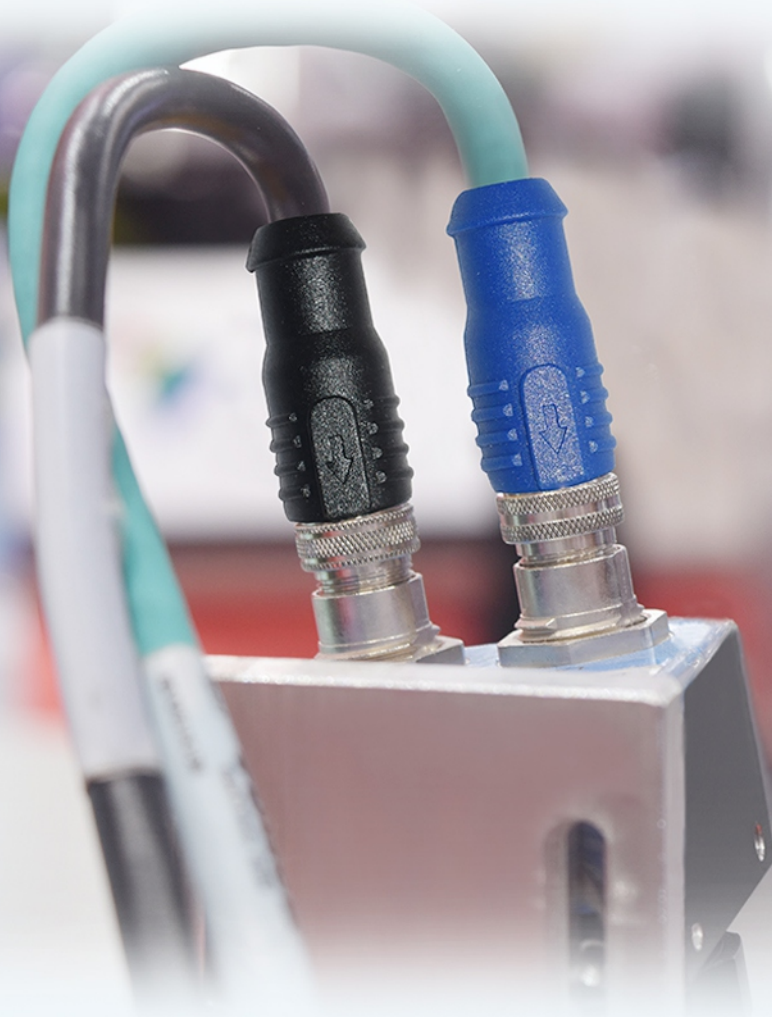
Machine Vision Application 机器视觉应用

机器视觉是配备有感测视觉仪器（如自动对焦相机或感测器）的检测机器，其中光学检测仪器占有比重非常高，可用于检测出各种产品的缺陷，或者用与判断并选择出物体，或者用来测量尺寸...等，应用在自动化生产线上对物料进行校准与定位。是计算机视觉中最具有产业化的部分，主要大量应用于工厂自动化检测及机器人产业等。盛格纳已经与全球几大视觉相机制造商合作，能够为您的系统提供最专业的连接器和连接方案。



Machine Vision (MV) is the technology and methods used to provide imaging-based automatic inspection and analysis for applications such as automatic inspection, process control, and robot guidance, usually in industry. SIGNAL worked with many global machine camera manufacturers, is professional in providing reliable connection products and solutions for your system.





成型线连接器

防护等级：IP67/IP68/IP69K

温度范围：-25°C~+85°C

外被材料：PVC/PUR

线规：0.14/0.25/0.34/0.5mm²
(26/24/22/20 AWG)

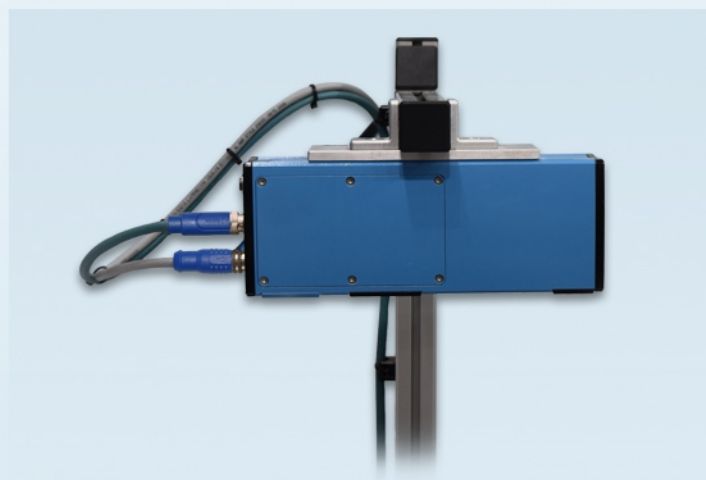
Cable Connectors

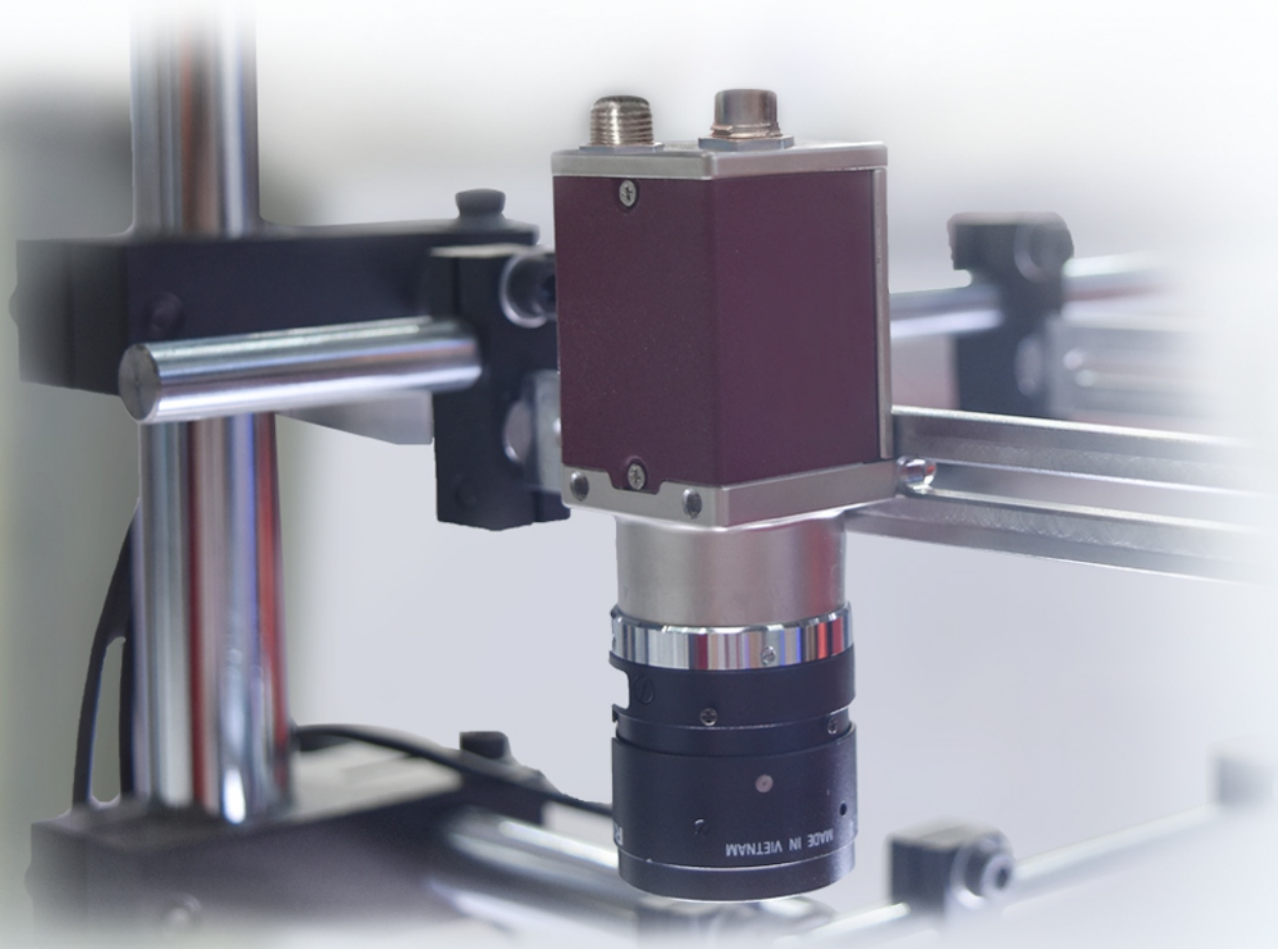
Shell protection: IP67/IP68/IP69K

Temperature: -25°C~+85°C

Cable Jacket: PVC/PUR

Wire gauge: 0.14/0.25/0.34/0.5mm²
(26/24/22/20 AWG)





面板式连接器

防护等级：IP67/IP68/IP69K

温度范围：-25°C~+85°C

接线方式：焊接式/插板式

连接器材料：金属/塑胶

Panel Connectors

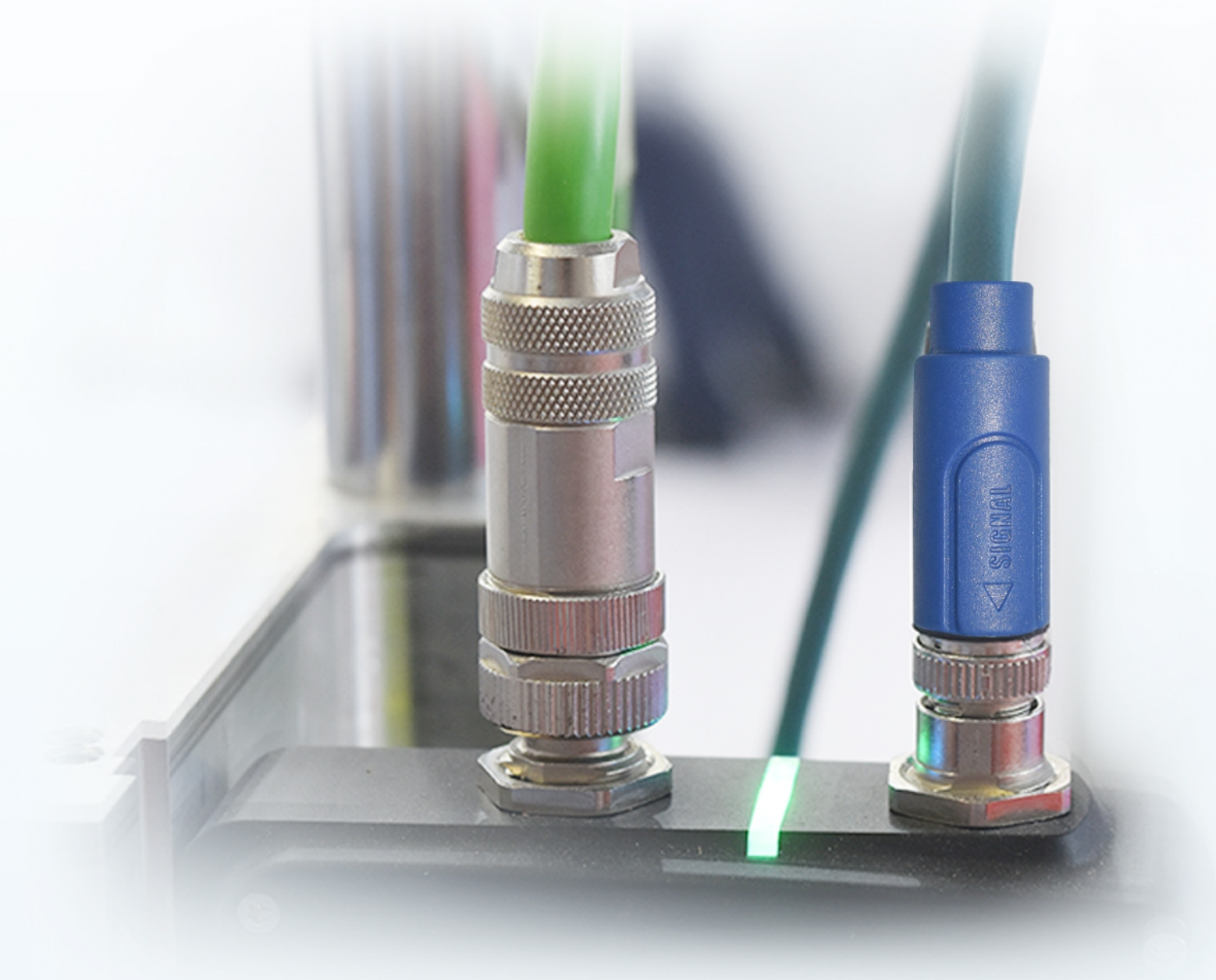
Shell protection: IP67/IP68/IP69K

Temperature: -25°C~+85°C

Termination: solder/PCB

Connector material: metal/plastic





组装式连接器

防护等级：IP67/IP68/IP69K

温度范围：-25°C~+85°C

接线方式：焊接式 / 锁螺丝式 / 压接式

连接器材料：金属 / 塑胶

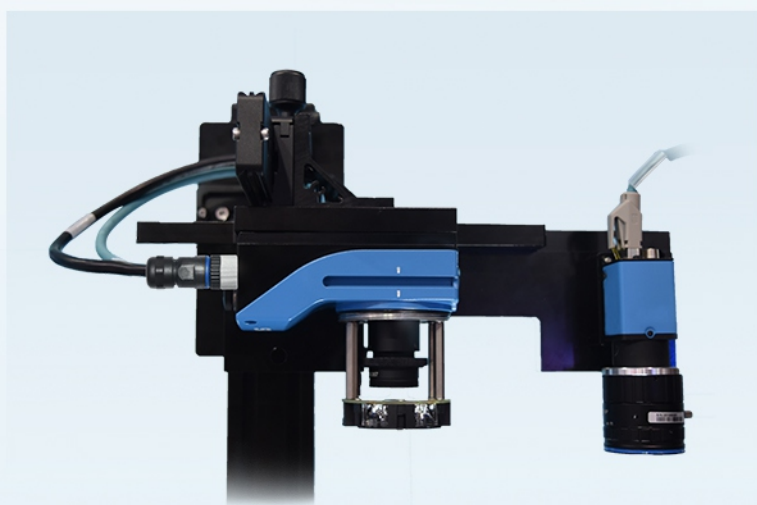
Assembly Connectors

Shell protection: IP67/IP68/IP69K

Temperature: -25°C~+85°C

Termination: solder/screw/crimp

Connector material: metal/plastic



6pin power cable(6 芯电源线)



Cable properties 线缆属性	Other attributes 其他属性	A-terminal interface A端接口	B-terminal interface B端接口	Cable length 线材长度	Model 型号
标准	不带DC头	6 芯航空母头	6根散线	0.6/1/3/5/6/7/8/10/15	IO-6PIN-xM-LC
	带DC头		4 根散线 + DC5.5母头	0.5/3/5/10/15	IO-6PIN-DC-xM-LC
高柔	不带DC头		6根散线	1/3/5/10/15/20	IO-6PIN-FC-xM
	带DC头		4 根散线 + DC5.5母头	3/5/10/15/20	IO-6PIN-DC-FC-xM

不带DC头

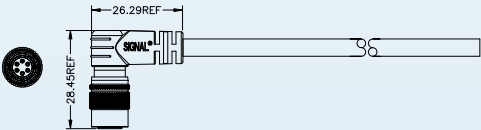


带DC头

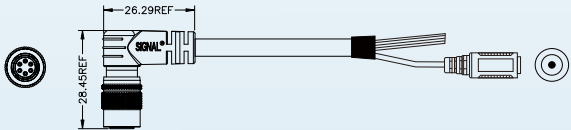


标准	弯头	6 芯航空母头 (左出线)	4 根散线 + DC5.5母头	5	IO-6PIN(L)-DC-xM
		6 芯航空母头 (下出线)	6根散线	8	IO-6PIN(L)-DC-xM
高柔		6 芯航空母头 (左出线)	4 根散线 + DC5.5母头	6/10	IO-6PIN(L)-DC-FC-xM
		6 芯航空母头 (右出线)	6根散线	5/10	IO-6PIN(R)-FC-xM

不带DC头



带DC头



12pin power cable(12芯电源线)



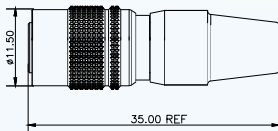
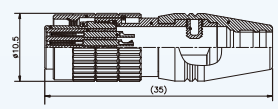
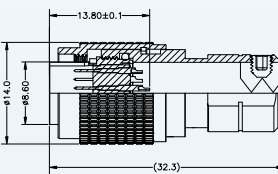
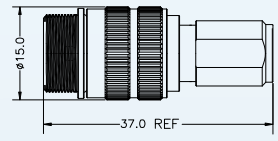
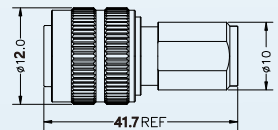
Cable properties 线缆属性	Other attributes 其他属性	A-terminal interface A端接口	B-terminal interface B端接口	Cable length 线材长度	Model 型号
标准	不带DC头	12 芯航空母头	12 根散线	0.5/3/5/7/10	IO-12PIN-xM
	带DC头		10 根散线 + DC5.5母头	3/5/7/10/15	IO-12PIN-DC-xM
高柔	带DC头		10 根散线 + DC5.5母头	5/7/10/15 /20/30	IO-12PIN-DC-FC-xM

不带DC头



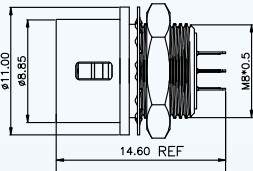
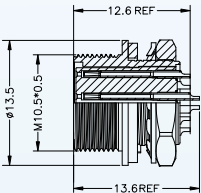
Assembly power connector(装配式电源连接器)



Ref• Scale diagram 参考尺寸图	Male/Female 公头/母头	Contancts 芯数	Termination 接线方式	Cable OD 接线外径	Order No 订货号
	Female	焊接/solder	5~7mm	12pins	950112-21-003
	Female	焊接/solder	4~6mm	8pins	950108-02-001
	Male	焊接/solder	7.0mm	20pins	940020-20-001
	Female	焊接/solder	3~5mm	6pins	940006-21-001
	Female	焊接/solder	5~7mm	12pins	940012-21-001
	Male	焊接/solder	3 ~ 5mm	6pins	940006-20-001
	Male	焊接/solder	5 ~ 7mm	12pins	940012-20-001

Panel power connector(面板式电源连接器)

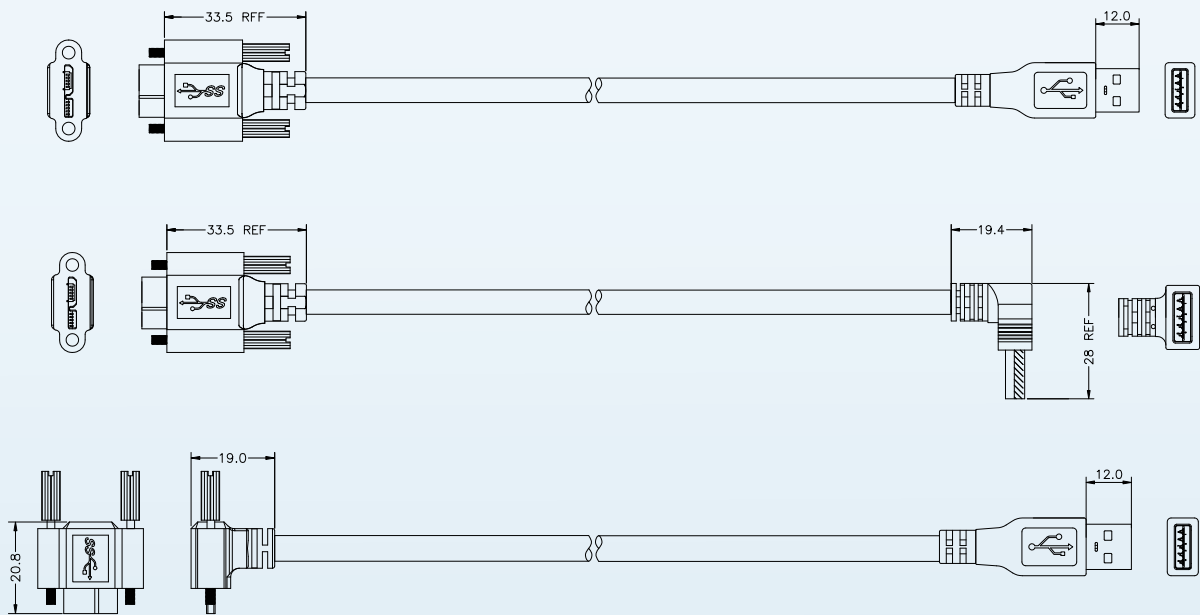


Ref• Scale diagram 参考尺寸图	Male/Female 公头/母头	Contancts 芯数	protection degree 防水等级	Termination 接线方式	Cable OD 接线外径	Order No 订货号
	Male	6pins	IP20	PCB	—	950106-03-001L
	Male	12pins	IP20	PCB	—	950112-03-004
	Female	20pins	IP67	焊接/solder	—	940020-21-001

USB 3.0线束



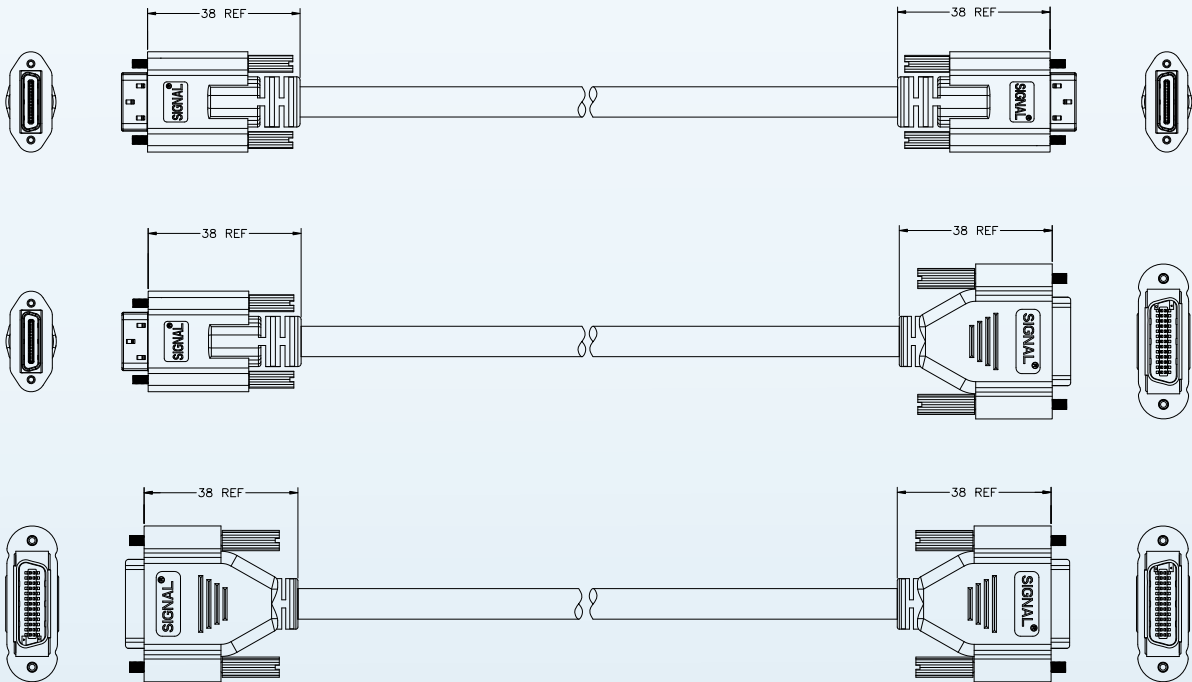
Cable properties 线缆属性	Other attributes 其他属性	A-terminal interface A端接口	B-terminal interface B端接口	Cable length 线材长度	Model 型号
标准	电缆线	USB3.0 Micro B 公头 (带锁固)	USB3.0 Standard-A 公头	1.5/2	U3-AM-MicroB-xM
	高性能电缆线			3/5	U3-AM-MicroB-HC-xM
高柔	电缆线			3/5	U3-AM-MicroB-FC-xM
光纤线	标准		USB3.0 Standard-A 公头	5/10	U3-AM-MicroB(N)-OF-xM
	弯头		USB3.0 Standard-A 公头 (下出线)	5	U3-AM-MicroB(D)-OF-xM



Camera Link 线束



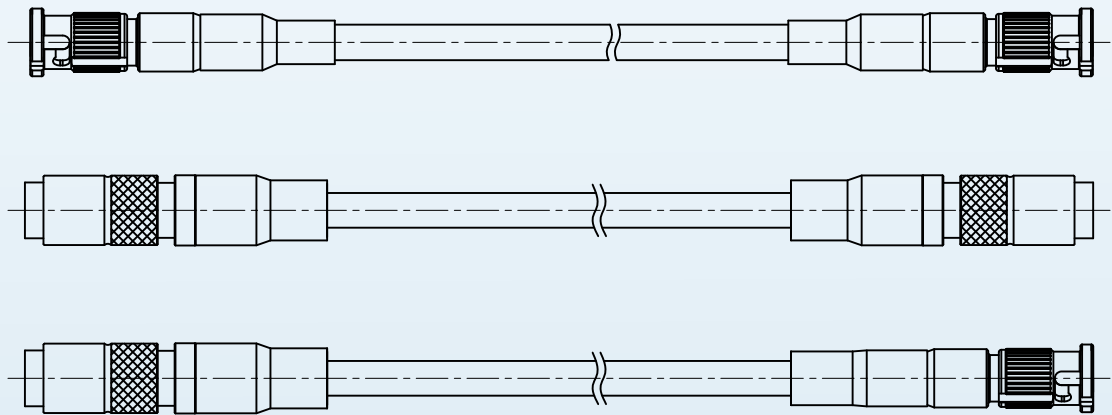
Cable properties 线缆属性	Other attributes 其他属性	A-terminal interface A端接口	B-terminal interface B端接口	Cable length 线材长度	Model 型号
高柔	标准	SDR	SDR	3/4/5/6/7	CL-SDR-SDR-PoCL-FC-xM
		MDR	SDR	3/5/7	CL-SDR-MDR-PoCL-FC-xM
		MDR	MDR	3/5/7	CL-MDR-MDR-PoCL-FC-xM



CoaXPress 线束



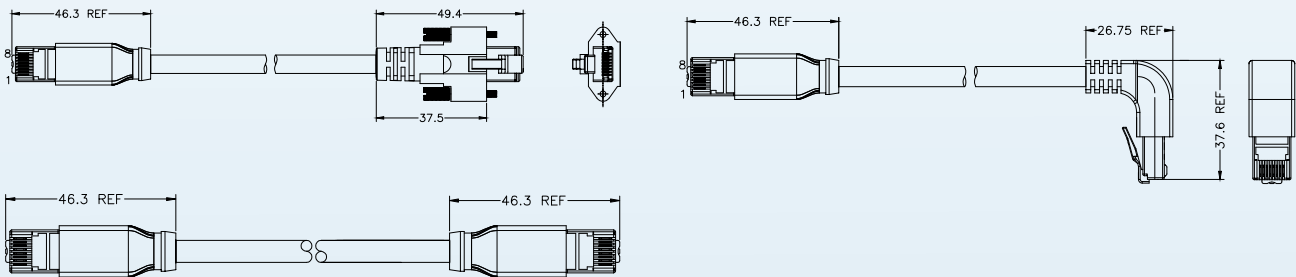
Cable properties 线缆属性	Other attributes 其他属性	A-terminal interface A端接口	B-terminal interface B端接口	Cable length 线材长度	Model 型号
标准	标准	DIN	DIN	3/5/7/10	CXP6-DIN-DIN-xM
	标准	DIN	BNC	3/5/7/10	CXP6-DIN-BNC-xM
	标准	HDBNC	HDBNC	3/5/7/10	CXP6-HDBNC-HDBNC-xM
高柔	标准	DIN	DIN	3/5/7/10	CXP6-DIN-DIN-FC-xM
	标准	DIN	BNC	3/5/7/10	CXP6-DIN-BNC-FC-xM
	标准	DIN	HDBNC	3/5/7/10	CXP-DIN-HDBNC-xM
	标准	HDBNC	HDBNC	3/5/7/10	CXP-HDBNC-HDBNC-xM



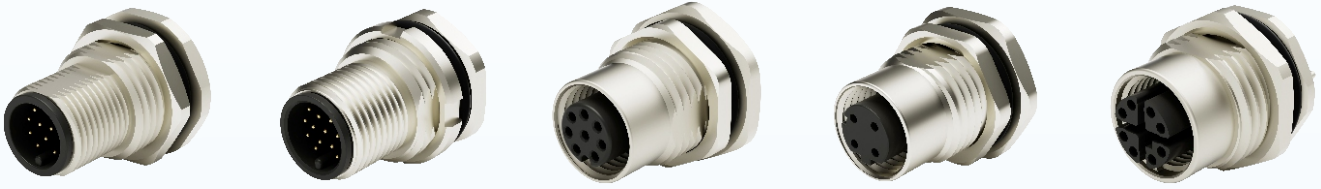
Ethernet harness(千兆/万兆以太网线束)

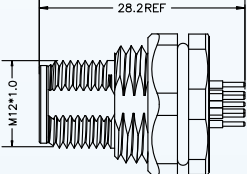
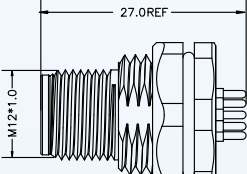
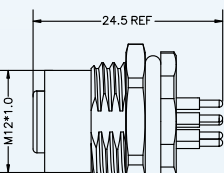
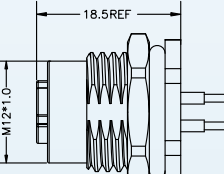
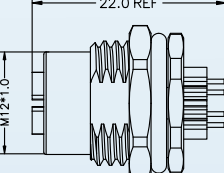


Cable category 线缆类别	Cable properties 线缆属性	Other attributes 其他属性	A-terminal interface A端接口	B-terminal interface B端接口	Cable length 线材长度	Model 型号
千兆网线	标准	标准	Rj45 带固定螺钉	RJ45	1.2/2/3/7/10/15/20/30/50/70	GE-RJ45-RJ45-xM
		弯头	RJ45 带固定螺钉 (上出线)	RJ45	/5/10	GE-RJ45-RJ45-U-xM
			RJ45 带固定螺钉 (下出线)	RJ45	/5/6/10	GE-RJ45-RJ45-D-xM
	高柔	标准	RJ45 带固定螺钉	RJ45	3/5/10/15/20/30	GE-RJ45-RJ45-FC-xM
		弯头	RJ45 带固定螺钉 (上出线)	RJ45	10	GE-RJ45(U)-RJ45-FC-xM
			RJ45 带固定螺钉 (下出线)	RJ45	10	GE-RJ45(D)-RJ45-FC-xM
万兆网线	标准	标准	RJ45 带固定螺钉	RJ45	1/3/5/7/10/15	10GE-RJ45-RJ45-xM
	高柔	标准	RJ45 带固定螺钉	RJ45	3/5/7/10/15	10GE-RJ45-RJ45-FC-xM



Panel mount DIP(面板式DIP)

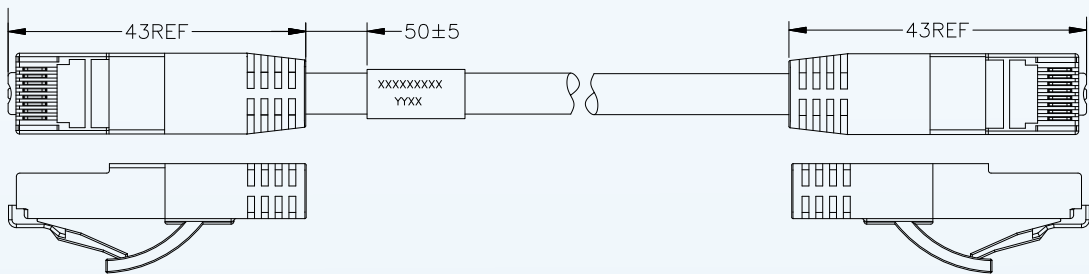


Ref• Scale diagram 参考尺寸图	Male/Female 公头/母头	Contancts 芯数	Coding 编码	protection degree 防水等级	Termination 接线方式	Order No 订货号
	Male	12pins	A	IP68	PCB	120112-03-009
	Male	17pins	A	IP67	PCB	120117-03-009
	Female	8pins	A	IP67	PCB	120108-04-141
	Female	4pins	D	IP67	PCB	120404-04-156
	Female	8pins	X	IP67	PCB	120708-04-094

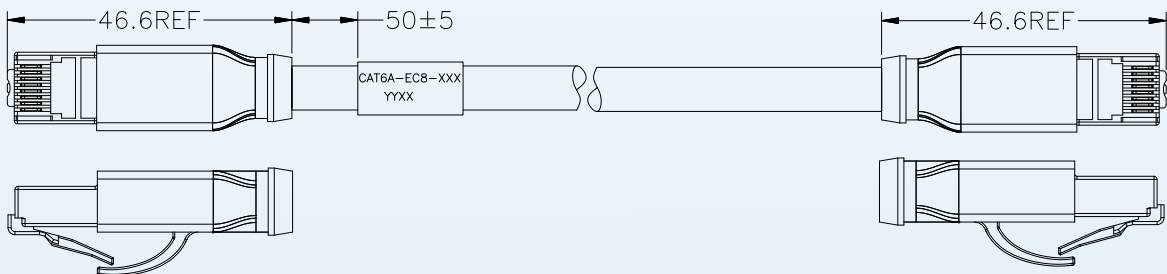
RJ45 cable (RJ45线缆)



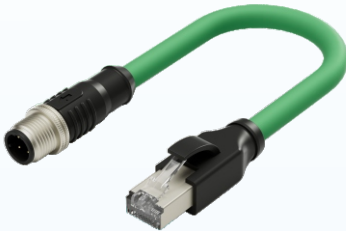
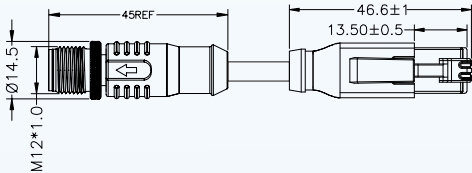
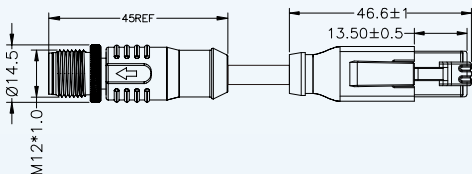
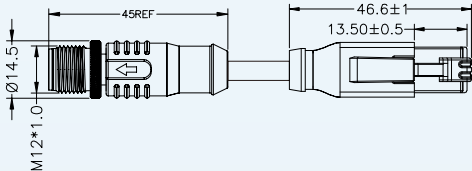
Cable category 线缆类别	Other attributes 其他属性	A-terminal interface A端接口	B-terminal interface B端接口	Cable length(m) 线材长度(米)	Model 型号
CAT5E	标准	RJ45	RJ45	0.3/0.6/1/2/3/5 10/20/30/40/50	C5E-RJ45-RJ45-xM



CAT6A	标准	RJ45	RJ45	0.3/0.6/1/2/3/5 10/20/30/40/50	C6A-RJ45-RJ45-xM
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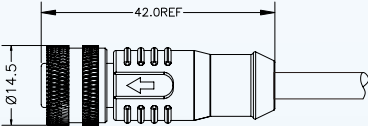
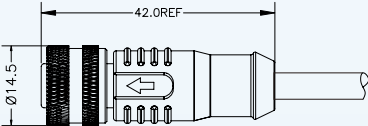


RJ45 cable (RJ45线缆)

				
Ref. Scale diagram 参考尺寸图	Male/Female 公头/母头	A-terminal interface A端接口	B-terminal interface B端接口	Order No 订货号
	Male cable to Male RJ45	M12A 8pins	RJ45	M12A-8P/M-RJ45-xM
	Male cable to Male RJ45	M12D 4pins	RJ45	M12D-4P/M-RJ45-xM
	Male cable to Male RJ45	M12X 8pins	RJ45	M12X-8P/M-RJ45-xM

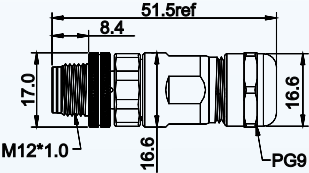
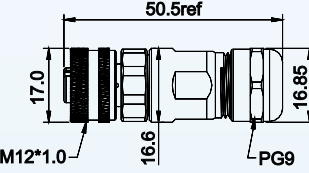
M12 cable (M12线缆)



Ref• Scale diagram 参考尺寸图	Male/Female 公头/母头	A-terminal interface A端接口	B-terminal interface B端接口	Order No 订货号
	Female cable to open	M12A 12pins	open	M12A-12P/F-OE-xM
	Female cable to open	M12A 17pins	open	M12A-17P/F-OE-xM

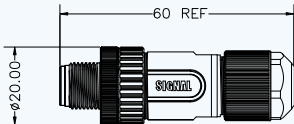
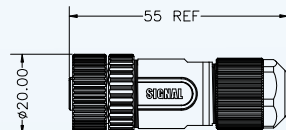
M12 A/D-coding assembly connector(装配式连接器)



Ref• Scale diagram 参考尺寸图	Male/Female 公头/母头	Cable OD 线材直径	Coding 编码	Contancts 芯数	Order No 订货号	P/N料号
	Male (solder)	PG9 (6~8mm)	A	8pins	120108-01-006	ASM12AM03006
				12pins	120112-01-006	ASM12AM04006
				17pins	120117-01-006	ASM12AM05006
			D	4pins	120404-01-006	ASM12DM04006
	Female (solder)	PG9 (6~8mm)	A	8pins	120108-02-006	ASM12AF03006
				12pins	120112-02-006	ASM12AF04006
				17pins	120117-02-006	ASM12AF05006
			D	4pins	120404-02-006	ASM12DF04006

M12 A/D-coding assembly connector(装配式连接器)



Ref• Scale diagram 参考尺寸图	Male/Female 公头/母头	Cable OD 线材直径	Coding 编码	Contancts 芯数	Order No 订货号	P/N料号
	Male (screw)	PG9 (6~8mm)	A	8pins	120108-01-007S	ASM12AM08007
			D	4pins	120404-01-007S	ASM12DM04007
	Female (screw)	PG9 (6~8mm)	A	8pins	120108-02-007S	ASM12AF08007
			D	4pins	120404-02-007S	ASM12DF04007



备注



备注

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