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Professional sensor cable and
special cable manufacturer

莱恩&联众 • 专业传感器线缆及特种线缆制造商



做中国最好的 传感线缆

辛丑冬月
时启福书

Alliance United Cable (莱恩&联众线缆) 是一家致力于研发制造传感器线缆及特种线缆企业。线缆产品主要应用于**医疗** (包含血氧线、心电图线、脑电线、有创压线缆、体温探测线、除颤线、手术刀线、牙科设备复合线等), **智能电器** (包含食物探针传感线、温度传感线等), **汽车安全监测** (包含ABS/EBS/ASR/ESC传感线、刹车磨损监控传感线、胎压监测传感线、EPB控制线、尾气检测传感线、尿素液位传感、影音传输线缆等), **工业传感** (位置传感线、力传感线等) 及**消防国防领域**。制造研发基地位于江西吉安和广东东莞, 销售中心和办事处分布于魁北克、槟城、深圳、和苏州等地。

文化

Alliance的文化
感恩、成长、分享。

目标

Alliance的目标
在特定细分市场成为业界最好的线缆技术服务提供商, 做中国最好的传感线缆。

使命

Alliance的使命
为客户提供高性价比的线缆产品, 在传感线缆领域成为客户最坚实的技术后盾。

Catalog

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医疗线缆系列

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Food Probe & Smart Appliance
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食物探针&智能家电温度传感线缆

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Special cable series
特种线缆系列

Company Honor

荣誉资质

- 总面积10000平方米;
 - IATF16949&ISO13485&ISO9000&ISO14000;
 - 营业额5000万-1亿/年。
- Total area:10000 m²;
 - IATF16949&ISO13485&ISO9000&ISO14000;
 - Sales volume: 50 million - 100 million/year.



Company Environment

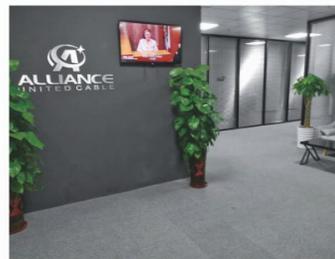
公司环境



东莞营销中心



吉安公司



Production Capability

生产能力

年生产能力: 150000KM
Annual production capacity: 150000KM

生产设备 Production Equipments

No.	生产设备名称	No.	生产设备名称
1	普通押出机	6	卧式绞线机
2	特氟龙押出机	7	包带机
3	硅胶押出机	8	缠绕机
4	绞铜束线机	9	编织机
5	立式绞线机	10	弹弓烤箱



Testing Capability

测试能力

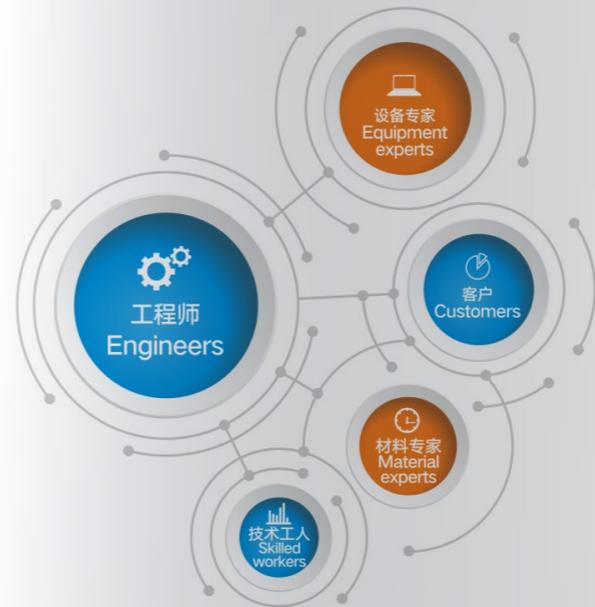


测试设备 Test Equipment

设备名称
XL-WS150恒温恒湿箱
噪音测试仪
万能材料试验机
XL-WS06 低温冷却测试仪
XL-WS016 UL 老化试验箱
XL-JBZ3 加热变形装置
色差仪
光谱仪
UV 测试仪
强度平衡仪
二次元
绝缘电阻仪
恒温水箱
拉升强度测试仪
邵尔硬度测试仪
投影仪
摇摆测试仪
环保测试仪
直流双臂电桥
燃烧箱
数字直流电桥
多轴外径检测仪
电热恒温鼓风干燥箱
E5071C网络分析仪
拖链测试仪
3D扭转测试仪

R&D Features

研发特点



我们在技术研发上的特点

Features of our technology development

在Alliance, 工程师努力做好“知识的搬运工”, 长期以来坚持“五位一体”的研发模式, 我们有完整的流程来确保“五位”共同参与研发, 从而保障研发的有效性和成功率。



客户 Customers

我们一开始就嵌入客户的新产品开发, 关注客户产品痛点, 并以解决客户加工难点为最终目的。



专家 Experts

我们聘请外部材料专家和设备专家共同参与线缆设计开发。



技术工人 Skilled workers

我们极度重视技术工人(技工)的作用, 技术工人是制造的灵魂。

Cost-effective Cables

高性价比

我们为客户提供高性价比的产品

Providing cost-effective cables for customers

我们如何实现产品的高性价比。



Quality Management

质量管理

一. 我们设计更多的定制化设备来适应不同的产品性能

1. More customized equipments to suit different cable performance



硅胶挤出订制设备

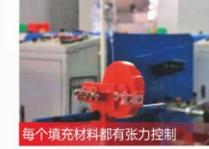
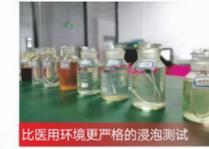
低噪音成缆订制设备

Quality Management

质量管理

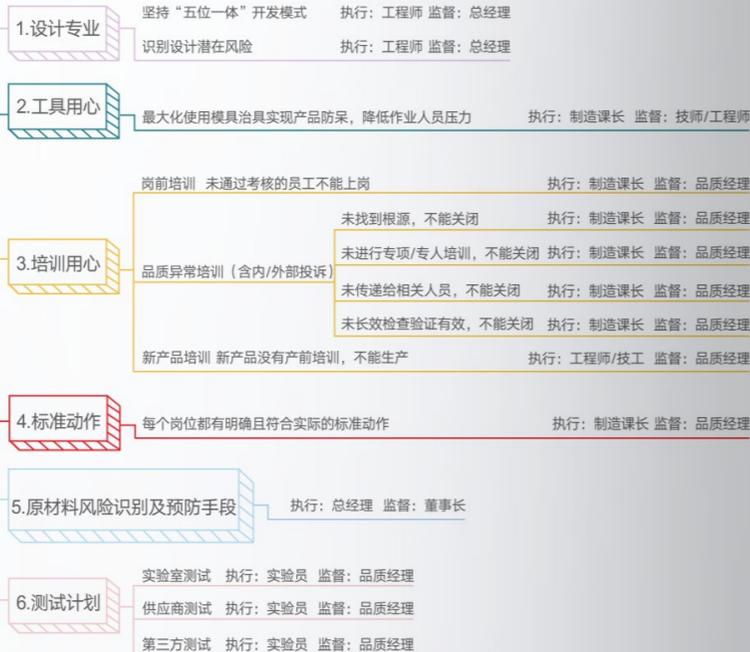
二. 精益求精的细节管理

2.Lean detail management



品质管理导图

如何实现性能/品质稳定



Quality Management

质量管理

三. 严谨的测试计划

3.Rigorous testing plans

- ◆月度模拟第三方测试计划：Alliance月度测试计划几乎涵盖所有项目，能够持续滚动地监控整个公司的产品质量水平；
- ◆供应商盲测计划：作为月度测试计划的重要补充，供应商盲测计划可以有效弥补自有测试产能的不足；
- ◆Alliance与第三方测试机构YCCT战略合作，并正规划建设中国第一个医疗和传感器线缆专业实验室。



YCCT吉安实验室



Alliance实验室



Alliance实验室

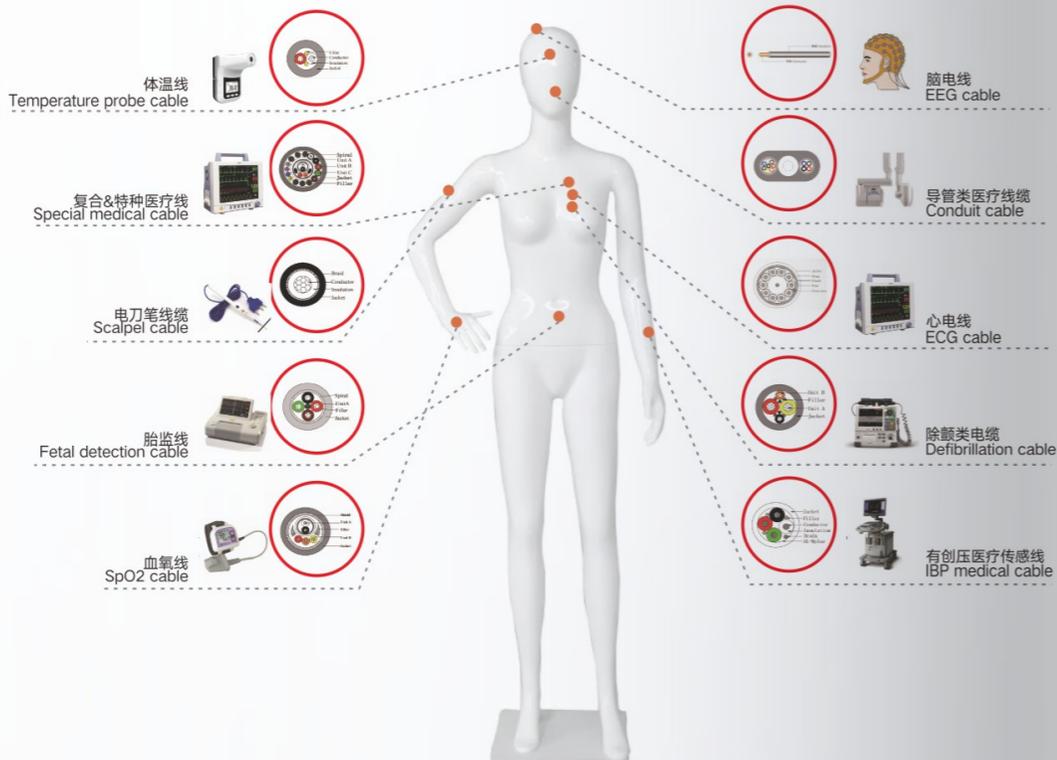
Medical Cable Series

医疗线缆系列

产品在医疗领域的应用

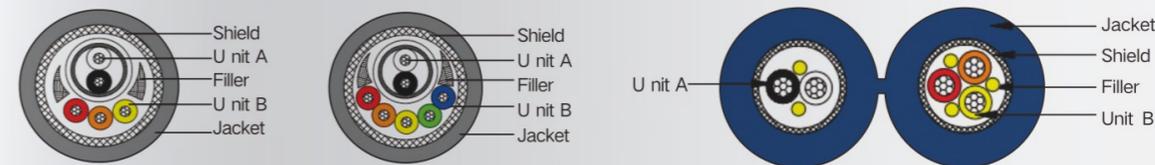
The cable for medical fields

Alliance (联众&莱恩) 经过多年研发和实践, 推出高稳定性医疗线缆产品系列, 包括监护类线缆(血氧和心电)、手术类医疗线、除颤医疗线、导管类医疗线和各类特种材质医疗线缆。ECG医疗线缆(10导)噪音控制完全满足EC-53标准要求, 采用最常用的工艺制造出噪音完美的产品。



Medical Cable Series

The cable for monitoring medical Fields (SpO2)
监护类医疗线缆(血氧线)典型产品示例



技术特点

此产品抗拉效果极佳, 特别是重复性血氧线拉断力可达30KGF以上, 耐摇摆性好, 重复性血氧线可达到5万次以上, 耐磨及耐撕裂, 且符合医疗级生物相容性测试要求。

Application characteristics

The tensile effect of this cable is excellent. Especially the reusable SpO2, the pull-off force can reach more than 30KGF, and the Wobble resistance is more than 50000 times. The material can meet the requirements of medical grade biocompatibility testing.

规格参数 Specifications

产品型号 Type	导体 Conductor	绝缘 Insulation	填充 Filler	屏蔽 Shield	护套 Jacket	
一次性血氧线 Disposable SpO2	NO.	Medical grade PVC	Kevlar, Nylon, Cotton	Tinned Copper	Medical grade PVC	
	1C+2C					Bare Copper or Tinned Copper
	1P+2C					
重复性血氧线 Reusable SpO2	1P+3C	Medical grade PVC, PP, PE, Hytrel, Teflon	Kevlar or Nylon	Tinned Copper	Medical grade PVC, TPU, TPV, Silicone	
	1P+2C					
	1P+3C					
	1P+5C					

Medical Cable Series

The Cable For Monitoring Medical Fields (ECG Cables)
监护类医疗线缆(ECG)典型产品示例



技术特点

此产品耐摇摆性好，耐消毒液，耐磨及耐撕裂；符合ANSI/AAMI EC53以及YY0828中的噪音，耐压，摇摆等性能测试，符合医疗级生物相容性测试要求。

Application characteristics

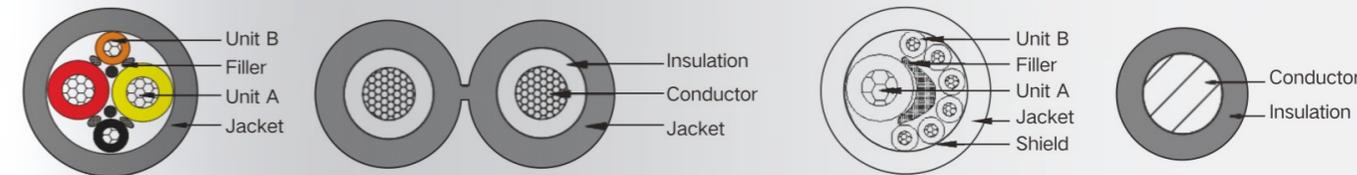
This product has good sway resistance, disinfectant resistance, wear resistance and tear resistance; In line with the ANSI/AAMIEC53 and YY0828 in the noise, pressure, swing and other performance tests, meet the requirements of medical grade biocompatibility test.

规格参数 Specifications

产品型号Type	导体Conductor		绝缘Insulation	填充Filler	屏蔽Shield	护套Jacket		
	NO.	Conductor Cross area (AWG)						
心电导联线 ECG Cable	主导线 Trunk cable	3C	24,26,28,30	Tinsel Or Tinned copper	PP, PE, TPE, Hytrel	Kevlar ,Nylon, Cotton	Tinned Copper	TPU, TPV,TPE
		4C						
		5C						
		6C						
		7C						
		10C						
12C								
支线 Lead wire	1C		PP, PE, TPE, Hytrel	----	Tinned Copper	TPU, TPV,TPE		

Medical Cable Series

The Cable For Defibrillation
除颤类医疗线典型产品示例



技术特点

此产品耐腐蚀性好，回弹性与韧性优，耐高压，耐电弧，具有良好的防震，缓冲性能。

Application characteristics

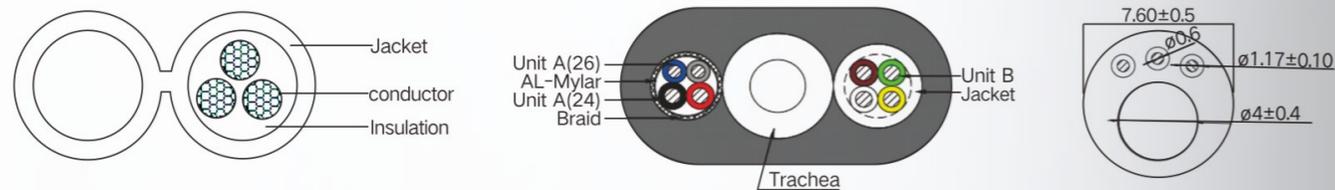
This product has good corrosion resistance, excellent resilience and toughness, high voltage resistance, arc resistance, good shock resistance, buffer performance.

规格参数 Specifications

产品型号Type	导体Conductor		绝缘Insulation	护套Jacket
	NO.	Conductor Cross area (AWG)		
除颤类电缆 Defibrillation cable	1C	18,20,22	PP,EVA,TPV	TPV,TPU
	2C	18,20,22		
	4C	26+22		
	7C	28+22		

Medical Cable Series

The Cable For Medical Tracheal
导管类医疗线典型产品示例



技术特点

此产品回弹性和抗张力高，韧性高，具有良好的防震缓冲性能。

Application characteristics

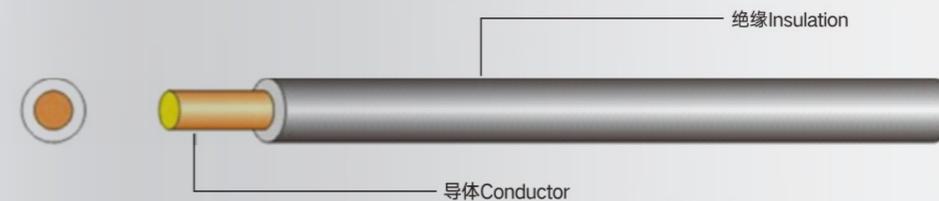
This product has excellent resilience, tensile strength, toughness and good shock-proof cushioning performance.

规格参数 Specifications

产品型号 Type	导体 Conductor			绝缘 Insulation	外护套 Jacket
气管线缆 Tracheal cable	NO.	Conductor Cross area (AWG)		PP,PVC,Hytel	PVC,TPE
	3C	24	Bare Copper		
	3C	24	Tinned Copper		
	8C	26,24	Tinned Copper		

Medical Cable Series

The Cable For EEG
脑电医疗线典型产品示例



技术特点

此产品回弹性和柔软性高，韧性好，选用的为医疗级材料。

Application characteristics

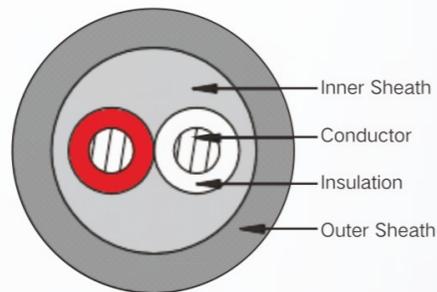
This product has high resilience and softness, good toughness, and is made of medical grade materials.

规格参数 Specifications

产品型号 Type	导体 Conductor			绝缘 Insulation
脑电线 EEG Cables	NO.	Conductor Cross area (AWG)		PVC
	1C	26	Tinned Copper	

Medical Cable Series

The Cable For Temperature Probe
探温医疗线典型产品示例



技术特点

此产品抗拉效果好，另外护套采用耐磨及耐撕裂的医疗级材料，增加了线材的使用寿命。

Application characteristics

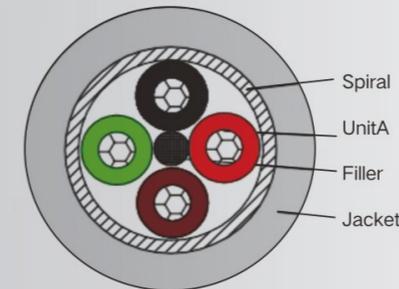
This cable has good tensile performance, is made of abrasion and tear resistant medical materials which increase the cable using cycle.

规格参数 Specifications

产品型号Type	NO.	导体Conductor	绝缘Insulation	外护套Jacket
体温线 Temperature Cable	2C	Conductor Cross area (AWG) 30,28,26,24 Tin alloy copper or Tinned Copper	HDPE	PVC,TPU

Medical Cable Series

The Cable For Fetal Monitoring
胎监医疗线典型产品示例



技术特点

此产品抗拉效果好，另外护套采用耐磨及耐撕裂的TPU材料，增加了线材的使用寿命。

Application characteristics

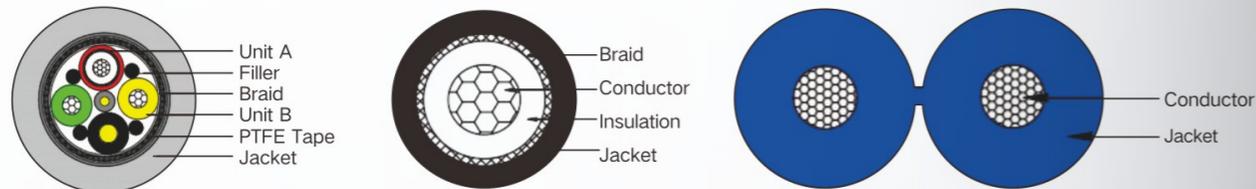
This cable has good tensile performance, is made of abrasion and tear resistant TPU for jacket which increases the cable using cycle.

规格参数 Specifications

产品型号Type	NO.	导体Conductor	绝缘Insulation	屏蔽Shield	外护套Jacket
胎监线 Fetal detection cable	4C	Conductor Cross area (AWG) 26 Bare Copper+Nylon	HDPE	Tinned Copper	TPU

Medical Cable Series

The Cable For Electric Knife
电刀笔医疗线典型产品示例



技术特点

此产品采用极细导体，耐弯折，且护套采用柔软的医疗级材料，线材整体手感非常柔软。

Application characteristics

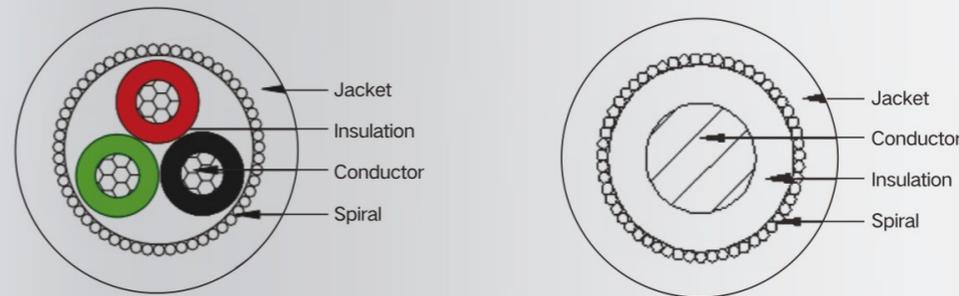
This product uses extremely fine conductor, resistant to bending, and the sheath is made of soft medical grade material, the overall feel of the wire is very soft.

规格参数 Specifications

产品型号Type	导体Conductor		绝缘Insulation	外护套Jacket
	NO.	Conductor Cross area (AWG)		
电刀笔线 Electric knife pen cable	1C	Tinned Copper	Teflon	PVC,Silicon,TPU
	2C		/	
	3C		Teflon	

Medical Cable Series

The Cable For Household Bio-feedback Instrument
家用生物刺激反馈仪用线



技术特点

此产品抗拉效果好，另外护套采用耐磨及耐撕裂的TPU材料，以及材料能满足生物相容性测试要求。

Application characteristics

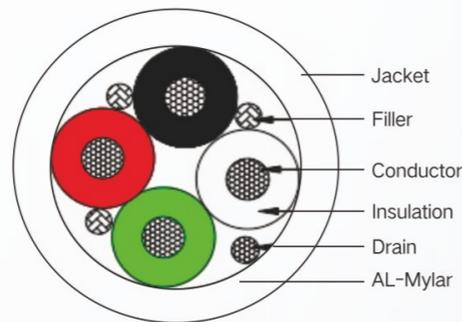
This cable has good tensile performance, is made of abrasion and tear resistant TPU for jacket, and the material can meet the requirements of medical grade biocompatibility testing.

规格参数 Specifications

产品型号Type	导体Conductor		绝缘Insulation	屏蔽Shield	外护套Jacket
	NO.	Conductor Cross area (AWG)			
家用生物刺激反馈仪用线 Wires for household biostimulation feedback instrument	1C	24 Tinned Copper +Nylon	HDPE	Tinned Copper	TPU
	3C				

Medical Cable Series

The Cable For Invasive Pressure Sensor
有创压力传感线缆



技术特点

此产品抗拉效果好，另外护套材料能满足生物相容性测试要求。

Application characteristics

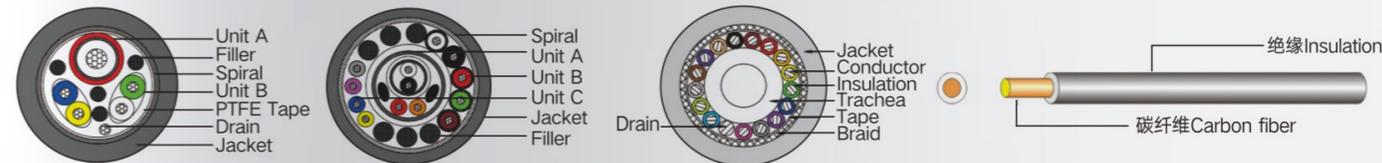
This cable has good tensile performance and the the material can meet the requirements of medical grade biocompatibility testing.

规格参数 Specifications

产品型号Type	导体Conductor	绝缘Insulation	屏蔽Shield	外护套Jacket
有创压力传感线缆 Invasive pressure sensing cable	NO. Conductor Cross area (AWG)			
	4C	24,26,28	Tinned Copper+Nylon	HDPE
			AL-Mylar	PVC or TPU

Medical Cable Series

The Compound And Special Medical Cable
复合&特种医疗线典型产品示例



技术特点

此产品结构多样化，有效的解决了一线多能的效果，且选材均为医疗级材料，整体线材回弹性优和抗张力高，韧性好。

Application characteristics

The product structure is diversified, effectively solve the multi-energy effect of a line, and the selection of materials are medical grade materials, the overall cable excellent resilience and high tension resistance, good toughness.

规格参数 Specifications

产品型号Type	导体Conductor		绝缘Insulation	屏蔽Shield	外护套Jacket
	NO.	Conductor Cross area (AWG)			
肌肉神经元传感线 Muscle neuron sensing cable	6C	28	Tin alloy copper wire, Tinned Copper	PP	Tinned copper
心电&血氧&体温复合线 ECG&SPO2&body temperature Composite cable	13C	30+26	Tinsel,Tin alloy copper wire,Tinned Copper	HDPE	Tinned copper
牙科用线 Dental equipment cable	16C	24	Tinned copper	Teflon	Tinned copper
碳纤维医疗线 Carbon fiber medical cable	1C	/	carbon fiber	/	/

Automobile Sensing Cable Series

汽车传感线缆系列

产品在汽车传感器领域的应用

The Cable for Automobile

Alliance历经数年研发，形成了完整的汽车高安全性传感线缆系列产品，广泛应用于刹车磨损监控，ABS/EBS/ASR/ESC，轮速传感，胎压监测，车内影像监控，公路ETC设备等汽车安全部件。Anti-capillary wire（耐毛细现象线缆）国内技术领先。



Automotive Sensing Cable Series

ABS/EBS/ASR/ESC/EPB



技术特点

此产品耐汽油，柴油和机油，耐寒性优，可达到-40℃，TPU护套耐水解性优

Application characteristics

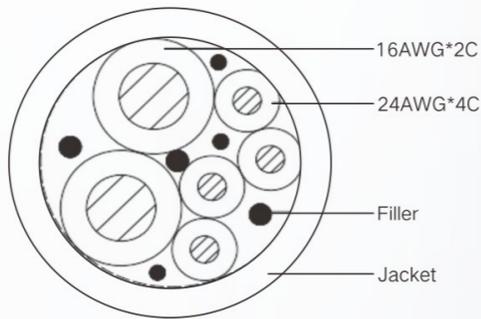
This cable has good gasoline resistance, diesel resistance and motor oil resistance, and excellent cold resistance. up to -40℃. TPU Jacket has excellent hydrolysis resistance.

规格参数 Specifications

产品型号Type	导体Conductor		绝缘Insulation	外护套Jacket
汽车传感器线缆 Automotive sensor cable	NO.	Conductor Cross area (mm ²)		PVC, XLPE
	2C	0.75mm ²		
	4C	0.75mm ² +1.0mm ²		
	5C	1.0mm ²		
	6C	1.0mm ²		
	7C	1.5mm ²		
	10C	0.75mm ² +1.0mm ²		
		Bare Copper	TPU	

Automotive Sensing Cable Series

The Special Cable For Automobile Tailgate
车尾门专用线缆



技术特点

此产品柔软性强，耐摇摆性极好，耐寒性好，成品皮薄且不会开裂的性能要求，给客户加工更多的空间。

Application characteristics

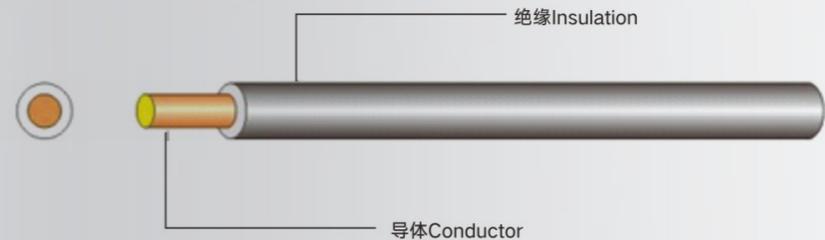
This product has strong softness, excellent rocking resistance, and the finished product skin is thin and does not crack, which gives customers more space to process.

规格参数 Specifications

产品型号Type	导体Conductor		绝缘Insulation	填充Filler	外护套Jacket
车尾门高摇摆线缆 Tailgate cable	NO.	AWG			
	6C	24+16	Bare Copper	PVC	Cotton

Automotive Sensing Cable Series

SCR Sensor Cable
SCR传感器线缆



技术特点

此产品耐磨性与抗击性能好，耐汽油，柴油和机油，及耐发动机冷却液和电池酸，且可耐寒-40℃，能满足耐毛细现象测试要求。

Application characteristics

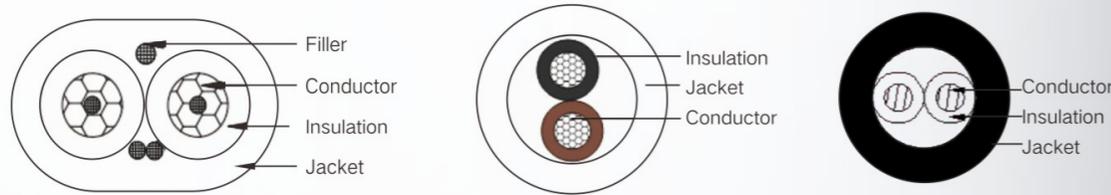
This cable has good gasoline resistance, diesel resistance and motor oil resistance, and excellent cold resistance ,up to -40℃.

规格参数 Specifications

产品型号Type	导体Conductor		绝缘Insulation
SCR传感器线缆 SCR Sensor cable	NO.	Conductor Cross area (mm ²)	
	1	0.35~3.0	Bare Copper

Automotive Sensing Cable Series

Brake Pad Wear Monitoring Sensor Cable
刹车片磨损监控传感线缆



技术特点

扁线结构耐高温，耐磨损，拉断力优，阻燃性好；
圆线结构耐磨损，耐水解性好。

Application characteristics

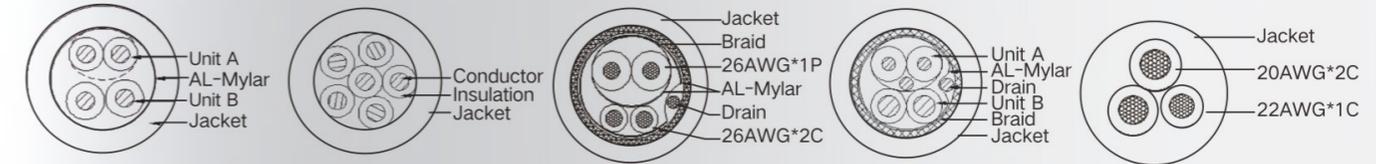
Flat cable, can withstand high temperature, has good abrasion resistance, excellent tensile strength, good flame resistance.
The round cable, has good abrasion resistance and good hydrolysis resistance.

规格参数 Specifications

产品型号 Type	导体 Conductor		绝缘 Insulation	护套 Jacket
	NO.	Conductor Cross area (mm ²)		
刹车片磨损监控线缆 Brake pad worn monitoring cable	2C扁线	0.30mm ²	Teflon	Teflon
	2C圆线	0.30mm ²	Teflon	TPU
	2C圆线	0.30mm ²	PVC	PVC

Automotive Sensing Cable Series

Automobile Communication Cable (interior Video Surveillance Cable & highway Etc Cable)
汽车通讯线缆(车内影像监控及公路ETC)



技术特点

车内影像线缆：此产品柔软，阻燃性好。
ETC线缆：此产品抗干扰性好，阻燃性优。

Application characteristics

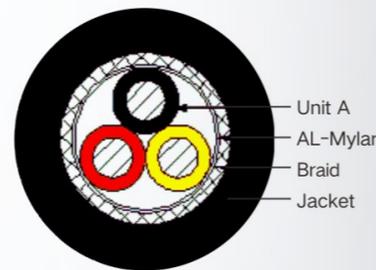
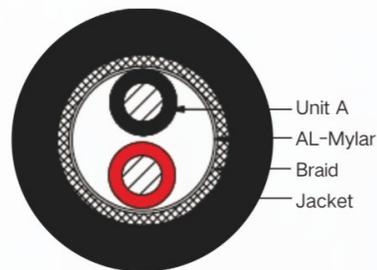
Interior video surveillance cable: softness & good flame retardancy.
ETC cable: good anti-interference & good flame retardancy.

规格参数 Specifications

产品型号 Type	导体 Conductor		绝缘 Insulation	屏蔽 Shield	护套 Jacket
车内影像监控线缆 Interior video surveillance cable	NO.	AWG			
	4C	26	HDPE	AL/Mylar	PVC
	6C	26	HDPE	/	
公路ETC线缆 Highway ETC cable	3C	20+22	MPPE-PE	/	
	4C	26	PP	Magnesium Aluminum	
	4C	30+26	PP	Tinned Copper	

Automotive Sensing Cable Series

Tire Pressure Sensor Cable
胎压传感器线缆



技术特点

此产品抗干扰强，耐汽油，柴油和机油，耐寒性优，可达到-40℃。

Application characteristics

This cable has good gasoline resistance, diesel resistance, and excellent cold resistance, up to -40°C.

规格参数 Specifications

产品型号Type	导体Conductor	绝缘Insulation	屏蔽Shield	护套Jacket
胎压传感器线缆 Tire pressure sensor cable	NO. Conductor Cross area (mm ²)			
	2C 0.5mm ²	PVC	Tinned copper	PVC
	3C 0.5mm ²			

Automotive Sensing Cable Series

Urea Level Sensor Cable
尿素液位传感线缆



技术特点

尿素液位传感线缆：此产品耐汽油，柴油和机油，耐寒性优，可达到-40℃，以及耐尿素溶液，另外阻燃效果极佳。

Application characteristics

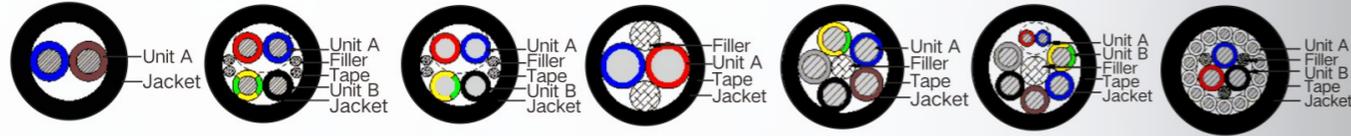
This cable has good gasoline resistance, diesel resistance, and excellent cold resistance, up to -40°C and has excellent flame retardant effect.
Commercial scale sensing cable: excellent flame retardant effect, softness and easy to process.

规格参数 Specifications

产品型号Type	导体Conductor		绝缘Insulation	护套Jacket
尿素液位传感线缆 Urea liquid level sensing cable	NO.	Conductor Cross area (mm ²)		
	1C	0.50mm ²	TPEE	/
	2C	0.30mm ²		
	3C	0.75mm ²	TPU	TPU
	4C	0.50mm ²		
	5C	0.50mm ²		
6C	0.75mm ²			

Automotive Sensing Cable Series

Construction Machinery Vehicle Control Cable
工程车辆控制线缆



技术特点

工程车辆控制线缆:耐汽油, 柴油和机油, 耐寒性优, 可达到-40°C,TPU护套耐水解性优。

Application characteristics

This cable has good gasoline resistance, diesel resistance, and excellent cold resistance, up to -40°C.

规格参数 Specifications

产品型号Type	导体Conductor		绝缘Insulation	护套Jacket	
工程车辆控制线缆 Engineering vehicle control cable	NO.	Conductor Cross area (mm ²)	PVC,XLPE	TPU	
	2C	0.5mm ²			
	4C	0.75mm ² +0.75mm ²			
	4C	0.50mm ² ×1P+2.00mm ² ×2C+T			
	2C	6.00mm ²			Bare Copper
	5C	3.00mm ²			
	7C	0.50mm ² +2.00mm ² ×5C			
17C	1.50mm ² +0.50mm ²				

Food Probe & Smart Appliance Temperature Sensing Cable Series

食物探针&智能家电温度传感线缆

产品在食物探针&智能电器温度传感领域的应用

The cable for food Probe and Smart Appliance temperature sensor

食物探针是智能烤箱的“灵魂”，而食物探针专用传感线缆是确保食物探针准确、安全工作的核心部件，Alliance食物探针传感线缆系列产品需要经受3项电气性能测试、2项物理性能测试、3项机械性能测试和11项应用环境测试。通过FDA检测。并形成完善的《食物探针高温传感线技术标准》。



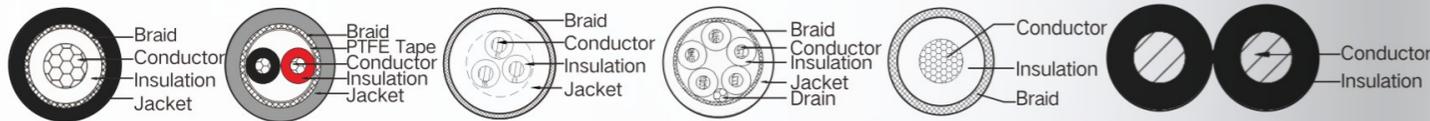
FDA测试报告

食物探针高温传感线技术标准



Food Probe & Smart Appliance Temperature Sensing Cable Series

食物探针&智能家电温度传感线缆



技术特点

此产品耐高温，环保级别可达到FDA食品级别，耐高温级别可达到250°C，加之硅胶的柔软性客户使用时更舒适。

Application characteristics

This cable can withstand high temperature, the environmental protection level can reach FDA food level, the high temperature resistance level can reach 250°C, the silicone softness make customers feel more comfortable.

规格参数 Specifications

产品型号Type	导体Conductor	绝缘Insulation	屏蔽Shield	护套Jacket
	NO. Conductor Cross area (AWG)			
食品级高温传感器线缆 Food-grade high temperature sensor cable	1C	Coating nickel copper	Silicone or Teflon	Coating nickel copper
	1C	Coating nickel copper	Silicone or Teflon	Stainless steel
	2C	Coating nickel copper	Teflon	Coating nickel copper
	2C	22,24,26,28,30 Tinned Copper	/	/
	3C	Tinned Copper	Teflon	Coating nickel copper
	3C	Coating nickel copper	Teflon	Tinned Copper
	5C	Coating nickel copper	Teflon	Tinned Copper

Special Cable Series

特种线缆系列

产品在工业领域的应用

The Cable for industry

Alliance工业特种线缆系列涵盖工业力传感线缆、爆破线缆，工业机柜电源线、消防通讯线缆等，每条工业特种线缆以传感器或组件的结构特性、组装要求和工作环境作为设计参量，力求每一条线缆精确贴合传感器或组件，在各种特殊环境下保障设备稳定运行。



Special Cable Series

Force Sensor Cable 工业力传感线缆



技术特点

工业力传感线缆: 此产品柔软, 耐磨, 耐弯折, 芯线采用铁氟龙材料耐收缩性好有效的解决了客户加工收缩问题, 加之线径设计细小为客户的使用空间留有大量的余度。
商业衡器传感线: 选用专业的柔性材料, 阻燃优, 整个线材柔软, 有利于加工的可操控性

Application characteristics

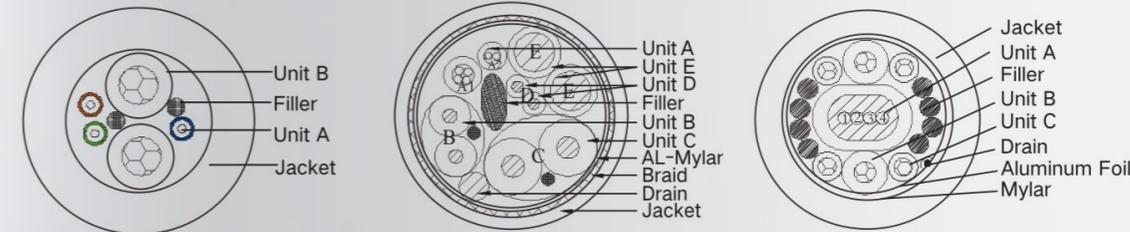
Force Sensor Cable: This cable is soft, wear-resistant and bending resistance. Teflon Insulation effectively solves the problem of processing shrinkage .
Commercial scale sensing cable: Special flexible material, excellent flame retardancy, the whole cable is soft, which is conducive to the processing.

规格参数 Specifications

产品型号Type	导体Conductor		绝缘Insulation	屏蔽Shield	护套Jacket
工业力传感线缆 Industrial force sensing cable	NO.	Conductor Cross area (AWG)	Teflon	Tinned Copper	TPU,PVC,Silicon
	1C				
	4C				
	8C	20,22,24,26,28.			
	20C	29,30,32,34			
商用衡器传感线 Commercial scale sensing cable	14C		Polyolefin	/	PVC
	20C				
	4C	0.12mm ²			
5C					

Special Cable Series

AOC Cable AOC 系列产品 (光电混合缆)



技术特点

此产品柔软, 耐弯折性好, 以及护套材料的特别选用, 耐磨性优; 加之填充采用Kevlar, 抗摇摆效果非常好, 有效解决了野蛮操作易拉断的问题。

Application characteristics

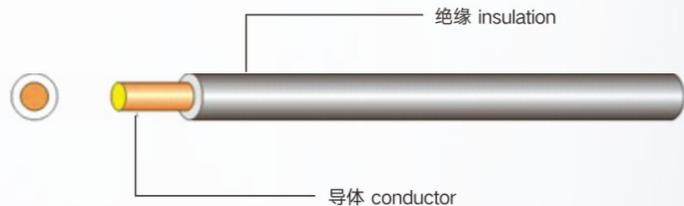
This cable is soft, wear-resistant and bending resistance, special jacket material has good abrasion resistance, and the Kevlar filling has good anti-sway effect.

规格参数 Specifications

产品型号Type	导体Conductor		绝缘Insulation	护套Jacket	
光纤混合缆 Optical fiber hybrid cable	NO.	Conductor Cross area (AWG)	Teflon	TPU	
	光纤+2C	32			Silver-plated copper
	光纤+8C	32,28,21			Tinned Copper
	光纤+6C	28	PP	PVC	

Special Cable Series

Industrial Cabinet Connection Cable
工业机柜装配线缆



技术特点

此产品耐寒耐高温，耐寒可达到-40℃，耐高温级别可达到200℃；加之导体由多股铜线组成，及硅胶本身的特性，整个线材非常的柔软，客户在加工及安装时有更多的施展空间。

Application characteristics

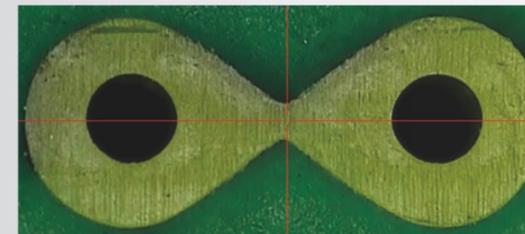
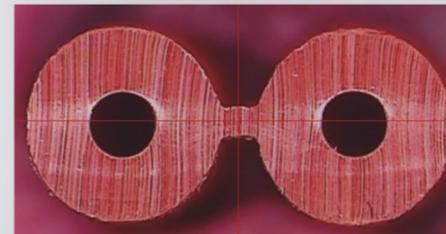
This cable has good cold resistance and high temperature resistance. It can withstand temperature from -40°C to 200°C. The cable is soft for its conductor is composed of multi-strand coppers and its silicone jacket.

规格参数 Specifications

产品型号Type	导体Conductor		绝缘Insulation	护套Jacket
工业机柜高温连接线缆 Industrial cabinets high temperature connection cables	NO.	Conductor Cross area (mm ²)		
	1C	30AWG-4/0AWG	Bare Copper Or Tinned Copper	Silicone /

Special Cable Series

Industrial Blasting Cable
工业爆破线缆



技术特点

此产品耐寒耐磨，耐寒可达到-40℃，服务于各类矿山开采、石油勘测、铁路公路、工程施工、地质勘探、通讯等领域，线材配有专用小轴包装，方便客户随身携带，在加工及安装时有更多的施展空间。

Application characteristics

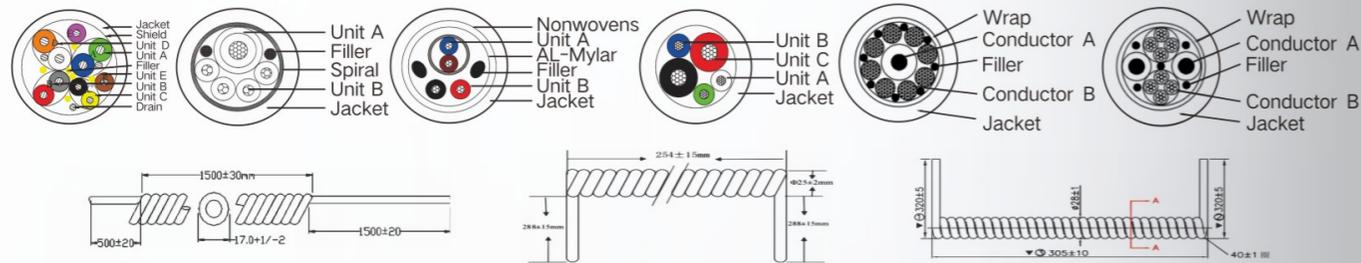
This product is cold-resistant and abrasion-resistant, and can reach -40°C. It serves all kinds of mining, petroleum exploration, railway and highway, engineering construction, geological exploration, communications and other fields. The wire is equipped with special small shaft packaging, which is convenient for customers to carry around. More space for display during processing and installation.

规格参数 Specifications

产品型号Type	导体Conductor		绝缘Insulation	屏蔽Shield
工业爆破线缆 Industrial blasting cable	NO.	Conductor Cross area (mm ²)		
	2F	23AWG	Bare Copper	Polyethylene /
	2F	23AWG	Copper Clad Steel	Polyethylene /
	2F	23AWG	Copper Clad Steel	TPU /

Special Cable Series

Spring Cable
弹簧线



感念股东在创立之初的扶持,
感恩员工在困难时期的坚守,
感谢客户和供应商的信任,
永不相负!

吉安 中国 井冈山五指峰