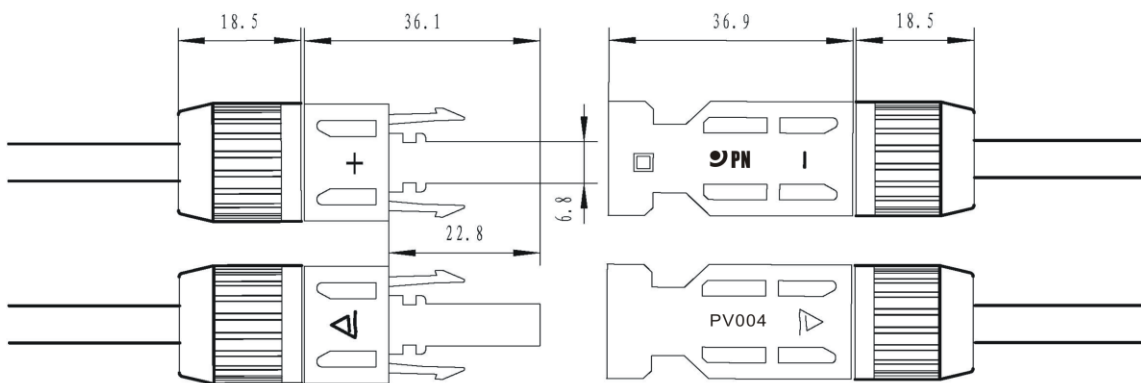




Product Technical Specification


Solar PV Connector (PV004)



Application

This connector is specifically designed for connecting photovoltaic system components inside and outside of building and equipment.

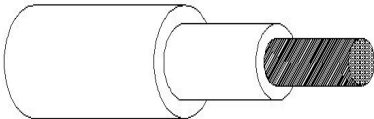
Technical Data

Technical Data	
Trademark	
Type	PV004
Rated Voltage	1000VDC
Rated impulse voltage	8000V
Rated insulation voltage	6000V
Rated Current	30A
Standard	EN50521:11-2008
Protection Degree	IP67
Contact Resistance	≤5mΩ
Pollution Degree	2
Ambient Temperature	-40~+85℃
Cable cross section area	2,5mm ² , 4,0mm ² , 6,0mm ²
Insulation Material	PC EXL9330
Flame Class	UL94-V0

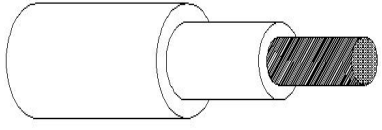
General features:

- Load capability with big current and high voltage
- Lower contact resistant
- Design of waterproof and dustproof
- Excellent performances of high-low temperature ,fireproof, anti-ultraviolet
- TUV certification NO.R50211340 , www.tuvdotcom.com

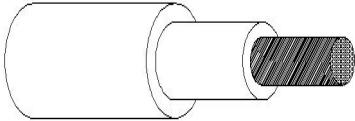
Technical Specification For Cable

Cable Type 电缆类型							
2 PFG 1169 PV1-F 1×4.0mm ²							
Application 应用							
This cable is specifically designed for connecting photovoltaic system components inside and outside of building and equipment. 这种电缆是专门为连接光伏系统组件内部和外部的建筑和设备。							
standard 标准		TÜV 2Pfg 1169 08.07					
电缆结构							
Conductor 导体	Conductor Material 导体材质	Stranded tinned copper 绞合镀锡铜丝					
	Constitute Structure 导体结构	56/0.3(±0.005)mm					
Insulation 绝缘	Insulation Material 绝缘材质	XLPE 聚烯烃					
	Insulation the Min. Thickness 绝缘最小厚度	0.50					
lay) 编织屏蔽	/		/				
Jacket 护套	Jacket Material 护套材质	XLPE 聚烯烃					
	Jacket Colour 护套颜色	(black or red) 黑色(或红色)					
	Jacket Min. Thickness(mm) 护套最小厚度	0.50					
	Jacket Outer Diameter(mm) 护套 外直径(毫米)	6.0±0.15					
mark 印字	2 Pfg 1169 PV1-F 1×4,0mm ² AC 0.6/1.0KV DC 1.8KV NINGBO PNTECH NEW ENERGY CO.,LTD.						
Electrical Characteristics 电气性能		Properties 产品特性					
Rated Voltage (V) 额定电压	AC U ₀ /U _{0.6} ~1.0KV , DC1.8KV	Temperature range 温度范围:	-40℃~+90℃				
Conductor dc resistance 导体直流电阻 (Ω/KM)	≤5.09Ω/km	20 '000 hours conductor maximum working temperature: 20' 000小时导体最大工作温度:	120℃				
		The service life of the theory 理论使用寿命:	25年				
更改			第二版	编制		审核	
	参考原编号:	未注长度单位: mm	版本	批准		日期	

Technical Specification For Cable

Cable Type 电缆类型					
2 PFG 1169 PV1-F 1×6,0mm²					
Application 应用					
This cable is specifically designed for connecting photovoltaic system components inside and outside of building and equipment. 这种电缆是专门为连接光伏系统组件内部和外部的建筑和设备。					
standard 标准					
TUV 2PFG 1169 08.07					
电缆结构					
Conductor 导体	Conductor Material 导体材质	Stranded tinned copper 绞合镀锡铜丝			
	Constitute Structure 导体结构	84/0.3(±0.005)mm			
Insulation 绝缘	Insulation Material 绝缘材质	XLPE 聚烯烃			
	Insulation mean Thickness 绝缘平均厚度	0.85			
lay) 编织屏蔽	/				
Jacket 护套	Jacket Material 护套材质	XLPE 聚烯烃			
	Jacket Colour 护套颜色	(black or red) 黑色(或红色)			
	Jacket mean Thickness 护套平均厚度	0.77			
	Jacket Diameter(mm) 护套直径(毫米)	7.1±0.2			
mark 印字	2 PFG 1169 PV1-F 1×..... AC 0.6/1.0KV DC 1.8KV NINGBO PNTECH NEW ENERGY CO., LTD.				
Electrical Characteristics 电气性能			Properties 产品特性		
Conductor dc resistance 导体直流电阻 (Ω /KM)	≤3.39 (Ω/KM)		Temperature range 温度范围:	-40℃~+90℃	
Rated Voltage (V) 额定电压	AC U ₀ /U _{0.6} ~1.0KV, DC1.8KV		20'000 hours conductor maximum working temperature: 20'000小时导体最大工作温度:	120℃	
			The service life of the theory 理论使用寿命:	25年	
更改			第二版	编制	审核
			版本	批准	日期
参考原编号:	未注长度单位: mm				

10MM2 SOLAR CABLE

Technical Specification				
Cable Type 电缆类型				
2 PFG 1169 PV1-F 1×10mm ²				
Application 应用				
This cable is specifically designed for connecting photovoltaic system components inside and outside of building and equipment. 这种电缆是专门为连接光伏系统组件内部和外部的建筑和设备。				
standard 标准				
TÜV 2Pfg 1169 08.07				
电缆结构				
Conductor 导体	Conductor Material 导体材质	Stranded tinned copper 绞合镀锡铜丝		
	Constitute Structure 导体结构	80/0.4(±0.005)mm		
Insulation 绝缘	Insulation Material 绝缘材质	XLPE 聚烯烃		
	Insulation mean Thickness 绝缘平均厚度	0.80		
lay) 编织屏蔽	/	/		
Jacket 护套	Jacket Material 护套材质	XLPE 聚烯烃		
	Jacket Colour 护套颜色	(black or red) 黑色(或红色)		
	Jacket mean Thickness 护套平均厚度	0.80		
	Jacket Outer Diameter(mm) 护套 外直径(毫米)	8.5±0.1		
mark 印字	2 PFG 1169 PV1-F 1×..... AC 0.6/1.0KV DC 1.8KV			
Electrical Characteristics 电气性能		Properties 产品特性		
Conductor dc resistance 导体直流电阻 (Ω/KM)	≤1.95 (Ω/KM)	Temperature range 温度范围:	-40℃~+90℃	
Rated Voltage (V) 额定电压	AC U ₀ /U _{0.6} ~1.0KV, DC1.8KV	20'000 hours conductor maximum working temperature: 20'000小时导体最大工作温度:	120℃	
		The service life of the theory 理论使用寿命:	25年	
更改		第二版	编制	审核
		版本	批准	日期
参考原编号:	未注长度单位: mm			