



# AC Power Cable & DC Wire Harness



**PowerFirst Technology Company Limited**

# • About us



Established in 2005, invested by PowerFirst, located in Shenzhen with 3,500m<sup>2</sup> land area, we are specialized in designing and manufacturing reliable connectors, power cables, wire harness and other OEM cables for power products, electronic products, automotive, home appliance, industrial control, medical equipment, etc.

PowerFirst has passed ISO9001 certification and has rich experience in OEM/ODM. We have provided customized services for more than 40 countries and regions in Europe, America and “One Belt One Road”. Our design cases have reached more than 200. Reliable quality and professional service enable our products to meet your high standard requirements. We are looking forward to be your faithful friend and long-term cooperation partner, and create a mutually beneficial future with you.





# • Factory & Facilities



## ➤ AC Power Cable Assembly



铜材束绞车间  
Copper Wiring Twisting



胶料生产 Plastic Compound  
PVC,TPE,TPU, PP,PE,SRPVC



成缆  
EV Cable Coiling



电线押出  
Cable Extrusion



插头、线束加工  
Power plug & wire harnessing



电线押出  
Cable Extrusion



# • Factory & Facilities



## ➤ AC Power Cable Assembly



美的专线  
Midea Line



裁线机  
Cutting machine



屏蔽层处理  
Shielding Process



端子压接  
Crimping



环形铆压机  
Crimping machine



注塑成型  
Overmolding



环切剥皮机  
Striping machine

# • Factory & Facilities



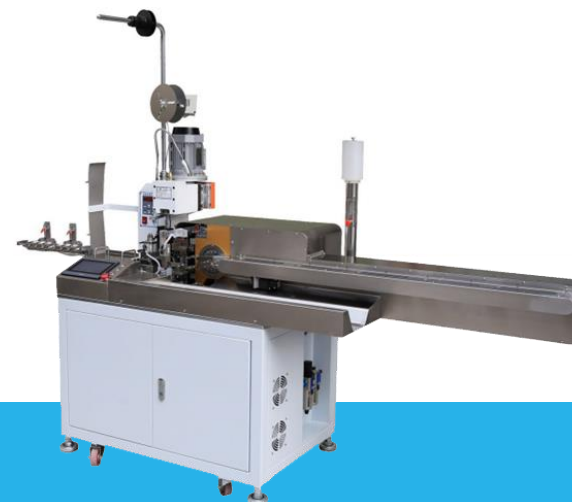
## ➤ DC Wire Harness Assembly



全自动裁线、剥线设备 | Automatic digital machine for cutting, stripping



自动端子机  
Automatic crimping machine



全自动裁线、剥线、捻线沾锡压接一体机  
Automatic all-in-one machine for cutting, stripping, tinning, crimping



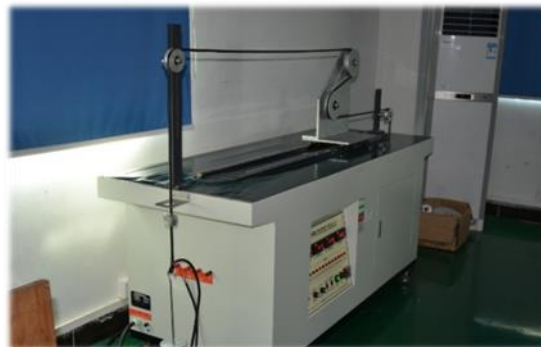
# • Factory & Facilities



## ➤ R&D Testing Lab.



柔性测试  
Flexibility test



曲绕机  
Winding test



耐刮磨试验机  
Abrasion test



二次元影像测量仪  
2D Instrument



铜丝拉伸测试仪  
Copper Wire Enlongation



绝缘拉伸测试仪 (100KG)  
Insulation Enlongation



分析天平 (测量比重)  
Scale(Weighing)



硬度测试仪  
Harness Check



测厚仪  
Thickness Check

# • Factory & Facilities



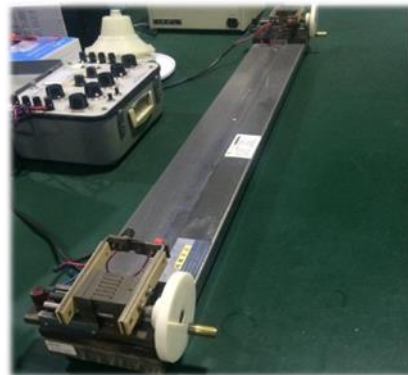
## ➤ R&D Testing Lab.



EMS 测控系统  
EMS Testing



耐压测试仪 (5000VAC/DC)  
Hi-pot testing



绝缘电阻仪  
Insulation Resistance



耐电起痕试验机  
CTI testing



垂直燃烧试验机  
Vertical Flame



充电枪摇摆测试仪  
Flexing test



拉力测试&插拔测 (1000KG)  
Pull force/withdraw force



温升测试仪(600A)  
Tem Rise Test



IP测试仪  
IP Test



燃烧试验室  
Flame Testing



# • Factory & Facilities



## ➤ R&D Testing Lab.



恒温油槽  
Constant Tem Oli Tank



恒温水槽  
Constant Tem Water Tank



自然通风老化箱  
Natural Aging Box



换气式老化试验箱  
Vendilating Aging Box



立式带锯机  
Stand Saw



精密老化试验机  
Precision Aging Test



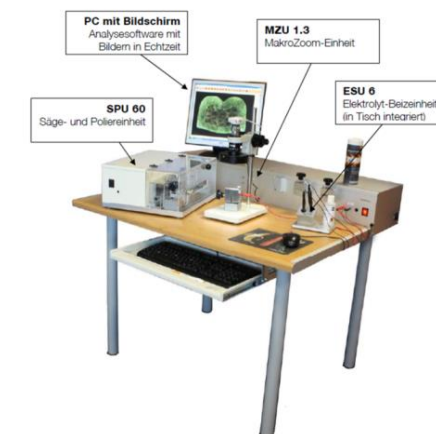
低温卷绕试验装置  
Low Temp Coiling



臭氧老化试验箱  
Ozone aging test



盐雾试验机  
Salt spray test



压接剖切面测试  
Cross section test



# • Products & Solutions



## ➤ AC Power Cable



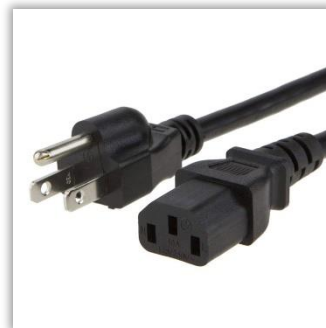
3 pin CN cable



3 pin EU cable



3 pin UK cable



3 pin US cable



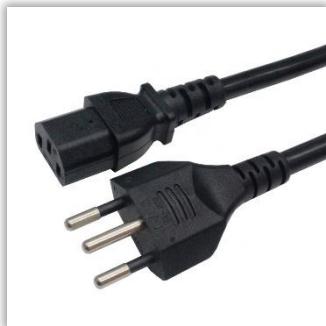
3 pin AU cable



3 pin Italian cable



3 pin Israeli cable



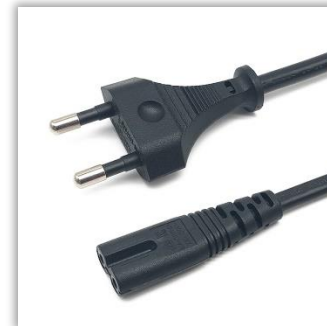
3 pin Swiss cable



3 pin South Africa cable



2 pin US cable



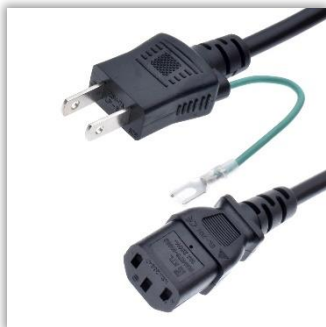
2 pin EU cable



2 pin UK cable



2 pin AU cable



2 pin JP cable



Spring power cable

### ➤ A Wide Range of Certificated AC Power Cord

UL/cUL certificate for America and Canada

PSE certificate for Japan

PSB certificate for Singapore

VDE certificate for EU

BSI certificate for UK

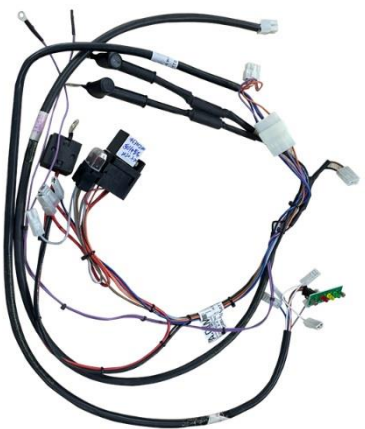
SAA certificate for Australia

Immetro certificate for Brazil

# • Products & Solutions



## ➤ DC Wire Harness – OEM/ODM Case Study

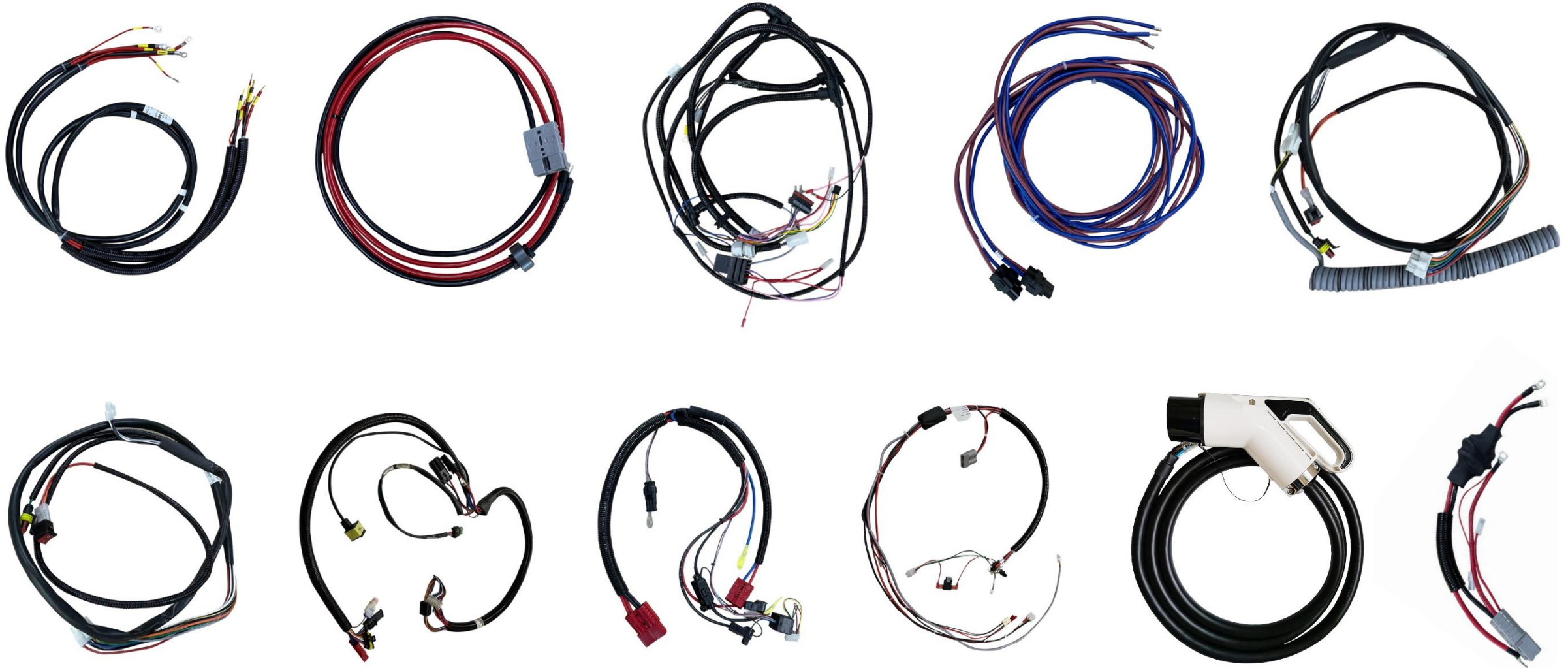




# • Products & Solutions



## ➤ DC Wire Harness – OEM/ODM Case Study



# • Partners



## • Electric Vehicle



**VOLVO**

## • Automotive electronics



**BILTEMA**

## • Intelligent equipment



**Honeywell**



**BORUNTE®**

**ABB**

## • Display photoelectricity

**Abgen**



**联建光电**  
LianTronics

**AET®**

**Unilumin 洲明**

## • Electric Appliances

美的 **Midea®**

**Hisense**

**JNÜ.O 净诺**

**Donlin® 东菱**

**F&D 奋达**  
SINCE 1993

**Wanbao 万宝**

**Helen of Troy®**

**BRITANIA**

**FRANK®**

**EDIFIER 漫步者**





— THANK YOU —



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