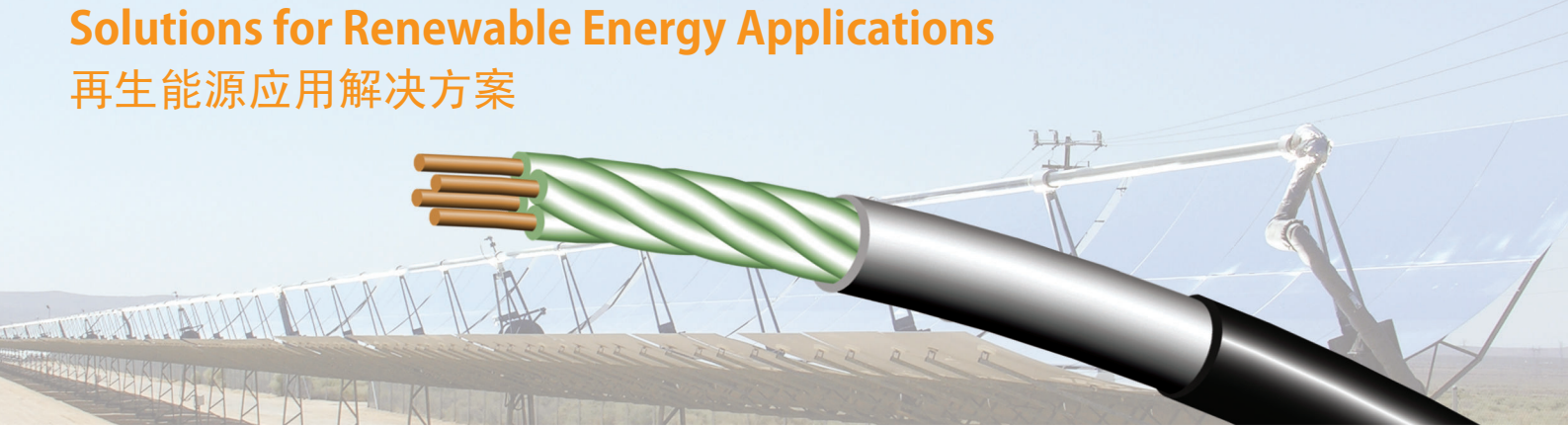


## Solutions for Renewable Energy Applications

### 再生能源应用解决方案



### Applications 应用

The **TC-ER** type multiconductor cable series designed for renewable energy applications as,

- **Photovoltaic Applications**
- **Solar Thermal System**

产品为 **TC-ER** 标准多芯电线系列，专门为以下再生能源应用。

- 光伏发电应用
- 光热发电系统

### Product Description 产品说明

The cable series is compliant of **UL** standard and passing the **FT4** flame test, structured with **NYLON** inner jacket and **PVC** insulation, it performs well under extreme conditions - Rated for high and low temperature, sunlight and oil exposure.

线材通过 **UL** 标准及 **FT4** 燃烧测试，结构包括 **NYLON** 内护套及 **PVC** 绝缘，能够在高低温、暴露于太阳光、油浸等极端环境下，保持良好运作。

### Characteristics 特性

- Rated voltage : 600V
- Rated temperature
  - Fixed : -40 - 90°C
  - Flexible : -25 - 90°C
- Min. bending radius
  - Static : 5x OD
  - Flexing : 15x OD
- Flammability test : FT4
- Sun resistance : UL 1581
- Reference standard : UL 1277, UL 83

- 额定电压 : 600V
- 额定温度
  - 固定 : -40 - 90°C
  - 非固定 : -25 - 90°C
- 最少弯曲半径
  - 静态 : 5x OD
  - 动态 : 15x OD
- 燃烧测试 : FT4
- 防太阳光 : UL 1581
- 参考标准 : UL 1277, UL 83

# Cable Structure 线缆结构

Part No. 型号	SEU18102002131	SEU14104002131	SEU12105002931	SEU12105002131
<b>Conductor 导体</b>				
AWG 线规	18	14	12	12
Cores 芯数	4	4	5	4
Material 物料	Stranded Bare Copper	Stranded Bare Copper	Stranded Bare Copper	Stranded Bare Copper
Construction 结构	16/0.254	41/0.254	65/0.254	65/0.254
Stranded Diameter (mm) 绞线径	1.17	1.87	2.36	2.36
<b>Insulation 绝缘</b>				
Material 物料	PVC	PVC	SR-PVC	PVC
Min. Thickness (mm) 最少厚度	0.34	0.36	0.38	0.38
Nom. Thickness (mm) 定义值厚度	0.42	0.45	0.47	0.47
Insulation Diameter 绝缘直径	2.0 (±0.10mm)	2.8 (±0.10mm)	3.3 (±0.10mm)	3.3 (±0.10mm)
<b>Inner jacket 内护套</b>				
Material 物料	NYLON	NYLON	NYLON	NYLON
Min. Thickness (mm) 最少厚度	0.10	0.12	0.10	0.10
Nom. Thickness (mm) 定义值厚度	0.13	0.15	0.13	0.13
Diameter 直径	2.25 (±0.12mm)	3.10 (±0.12mm)	3.55 (±0.12mm)	3.55 (±0.12mm)
<b>Jacket 护套</b>				
Material 物料	PVC (Flexible)	PVC (Flexible)	PVC (Flexible)	PVC (Flexible)
Min. Thickness (mm) 最少厚度	0.91	1.05	0.91	1.11
Nom. Thickness (mm) 定义值厚度	1.26	1.36	1.33	1.39
Diameter 直径	8.00 (±0.3mm)	10.30 (±0.4mm)	12.30 (±0.4mm)	11.40 (±0.4mm)

For More Information, please email to [sales@ltkable.com](mailto:sales@ltkable.com) or visit us at [www.ltkable.com](http://www.ltkable.com).

索取更多产品资讯, 请电邮至 [sales@ltkable.com](mailto:sales@ltkable.com) 或浏览 [www.ltkable.com](http://www.ltkable.com)。



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