

▶ 光伏电缆 Applied standard : EN 50618 / IEC 62930

△ TÜV H1Z2Z2-K 1X*mm² QC Solar (Suzhou) Corporation



△ 62930 IEC 131 1×*mm² HALOGEN FREE LOW SMOKE QC Solar (Suzhou) Corporation



优点 Advantages:

- 辐照交联化合物
E - beam cross-linked compounds
- 抗紫外线和臭氧，耐水解
High resistance against UV ,ozone and hydrolyzation
- 耐高温，材料不会融化或流动
High temperature resistance , materials will not melt or flow
- 低温韧性
Flexibility under cold conditions
- 使用寿命，90°C以下超过 25 年
Long usable life , expected usable life over 25 years (90°C)
- 适用于所有的常用连接器
Applicable to all common connectors

结构 Structure:

- 导体：绞合镀锡铜线 (IEC 60228 Class 5)
Conductor: Stranded tinned copper (IEC 60228 Class 5)
- 绝缘：低烟无卤交联聚烯烃
Insulation: Halogen free crosslinked polyolefin
- 护套：低烟无卤交联聚烯烃
Sheath: Halogen free crosslinked polyolefin

性能 Properties:

- 成品电缆耐压：AC 6.5KV 5min, 不击穿
Voltage test of finished cable: AC 6.5KV 5min, No breaking
- 绝缘抗张强度：≥ 10.3Mpa
Tensile strength of insulation: ≥ 10.3Mpa
- 绝缘伸长率：≥ 125%
Elongation of insulation: ≥ 125%
- 护套抗张强度：≥ 8.0Mpa
Tensile strength of sheath: ≥ 8.0Mpa
- 护套伸长率：≥ 125%
Elongation of sheath: ≥ 125%
- 耐臭氧：IEC 60811-403
Ozone resistant: IEC 60811-403
- 耐气候性：IEC 60811-501
UV resistant: IEC 60811-501
- 耐燃：IEC60332-1-2
Fire performance: IEC60332-1-2

应用 Application:

- 应用范围：适用于光伏系统内外部连接
Application: Suitable for internal and external connections of PV systems
- 额定电压：DC1500V /AC1000V
Rating voltage: DC1500V /AC1000V
- 环境温度：-40°C ~90°C
Ambient temperature: -40°C ~90°C
- 最高线温：120°C
Max. conductor temperature: 120°C
- 弯曲半径：动态≥ 5XO.D 静态≥ 4XO.D
Bending radius: Moves setting ≥ 5XO.D
Fixed setting ≥ 4XO.D
- 寿命：>25 年
Life Period: >25years

截面积 Cross Section	导体规格 Conductor	电缆外径 Cable Diameter	导体电阻 Conductor Resistance	绝缘电阻 (20°C) Insulation resistance at 20°C
2.5mm ²	49/0.25mm	5.1 ~ 6.3mm	≤ 8.21Ω/Km	≥ 862MΩ·Km
4.0mm ²	56/0.285mm	5.5 ~ 6.6mm	≤ 5.09Ω/Km	≥ 709MΩ·Km
6.0mm ²	84/0.285mm	6.0 ~ 7.4mm	≤ 3.39Ω/Km	≥ 610MΩ·Km

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EN 50618 / UL 4703 IEC 62930 / UL 4703

△ TÜV H1Z2Z2-K 1X*mm² QC Solar (Suzhou) Corporation
E335336 PV WIRE *AWG 90°C WET OR DRY 1000V/2000V SUN RES -40°C (UL)

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- 绝缘伸长率: ≥ 150%
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- 护套抗张强度: ≥ 10.3Mpa
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4.0mm ² /12AWG	56/0.285mm	6.2 ~ 6.6mm	≤ 5.09Ω/Km	≥ 709MΩ·Km
6.0mm ² /10AWG	84/0.285mm	6.8 ~ 7.4mm	≤ 3.39Ω/Km	≥ 610MΩ·Km