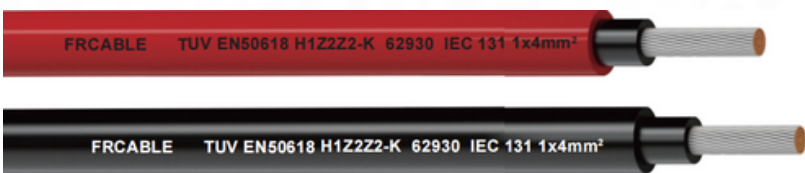


# TÜV EN50618 H1Z2Z2-K IEC 62930 -4.0mm<sup>2</sup> Photovoltaic Cable



## APPLICATION

TÜV EN50618 and IEC 62930 certified, FRCABLE's® DC solar cable, is specifically designed to connect photovoltaic panels. Engineered to withstand harsh outdoor environments. The H1Z2Z2-K cable features superior UV resistance, ozone resistance, and water resistance, ensuring a reliable and long-lasting connection within your solar power system.

## CHARACTERISTICS

**Voltage Rating:** AC 1.0Kv / 1.5Kv DC

**Maximum Voltage :** 1800V / 1.8KV DC

**Test Voltage :** Test Voltage: 6,5KV AC / 15KV DC  
(5 minutes water bath, 20±5°C)

### Bending radius

- Fixed setting : >4 x ø
- Moves on occasion : >5 x ø

### Temperature Range

- Ambient temperature :-40°C ~+90°C
- Max. conductor temperature : 120°C
- Maximum short circuit temperature : 250°C

## CONSTRUCTION

**Conductor :** Fine wire, Stranded tin-plated copper according to IEC 60228, class 5

**Insulation :** XLPE, flame retardant, halogen free, E-Beam cross-linked compounds

**Sheath :** XLPE, E-Beam cross-linked compound, flame retardant, halogen free, UV and ozone resistant

**Sheath Color :** Black/Red

**Marking:** FRCABLE EN50618 H1Z2Z2-K 62930 IEC 131 1x4.0mm<sup>2</sup> HALOGEN FREE LOW SMOKE DC 1.5KV R 50334055 with meter marking

## APPROVALS

- TÜV EN50618 *File No.: R 50334055*
- IEC62930 *File No.: R 50444396*
- RoHS & Reach conform

## MATERIAL PROPERTIES

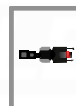
- **Flame-retardant:** : EN 60332-1-2
- **Smoke Emission:** EN 61034-2
- **Halogen-free:** EN 50525-1



Resistance against UV, Ozone, Fluids, Oil, Salt & General Weathering.



Suitable for direct burial



Applicable to all Common Connectors



Water Resistance : AD8



25 years lifetime expectancy.

## PACKAGING

**Coil:** 100m, 250m, 300m

**Drum:** 500m, 1000m, 2000m, 3000m

Other packaging available on request on request

**DIMENSIONS**

Article No.	Color	Cross-section mm2	Construction nxø (mm)	Insulation Thickness (mm)	Sheath Thickness (mm)	O. D (mm)	Max. resistance Ω/km
<b>FREI041</b>	Black	4.0	56x0.28	0.70	0.90	5.60±0.20	5.09
<b>FREI041</b>	Red	4.0	56x0.28	0.70	0.90	5.60±0.20	5.09

**Photovoltaic H1Z2Z2-K/4MM Solar Cable By FRCABLE**[Visit Our Website](#)[Download Certificates](#)

This datasheet provides general information for reference purposes only.  
The specifications are subject to change without prior notice.