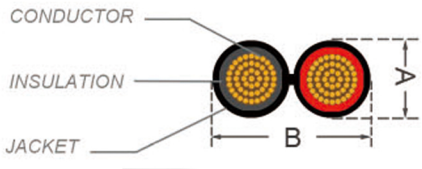
SOLAR CABLE FOR PV SYSTEM

TÜV EN50618 H1Z2Z2-K AND IEC 62930 DC 1.5KV (Twin Cable)

FRCABLE TÜV EN50618 H1Z2Z2-K 62930 IEC 131 2×*mm2 HALOGEN FREE LOW SMOKE DC 1.5KV http://www.fr-cable.com



Advantages

- ◆ E-beam cross-linked compounds
- ◆ High resistance against UV, ozone and hydrolyzation
- ◆ High temperature resistance, materials will not melt or flow
- ◆ Flexibility under cold conditions
- ◆ Long usable life, expected usable life over 25 years
- ◆ Applicable to all common connectors

Application

In a solar power system of rated voltage U_0=1.5KV, PV cables are used to connect between solar panels and inverters.

Construction

- ◆ Conductor : Soft tinned annealed copper according to IEC 60228, class 5
- ◆ Insulation : XLPE, flame retardant, halogen free, E-Beam cross-linked compounds
- ◆ Jacket : XLPE, flame retardant, halogen free, E-Beam cross-linked compounds, UV and ozone resistant, black / white marking
- ◆ Jacket color : All the chromatographic

Electrical performance

- ◆ Rated Voltage : U_0=1.5kV DC
- ◆ Test Voltage : 6.5kV AC 5min

Thermal performance

- ◆ Operation temperature : -40℃ ~ +120℃
- ◆ Ambient temperature : -40℃ ~ +90℃
- ◆ Maximum short circuit temperature : 250℃

Bending radius

- ◆ Fixed setting : >4 × ø
- ◆ Moves on occasion : >5 × ø

Material characteristics / standard

- ◆ Fireproof performance : EN 60332-1-2
- ◆ Smoke emission : EN 61034-1; EN 61034-2
- ◆ Low fire load : DIN 51900
- ◆ Approval : TÜV EN50618
- ◆ Applied standard: TÜV EN50618

Conductor	Outer Jacket	Insulation	Construction	Outer Dia. mm		Coductor resistance (20℃)	Current
n×mm²	Color	Color	N/mm	A	B	max.mΩ/m	A
2×4.0	Black	Black/Red	56/0.28	5.50±0.2	12.00±0.3	5.09	55.0
2×6.0	Black	Black/Red	84/0.28	6.10±0.2	13.5±0.3	3.39	70.0