

TÜV EN50618 H1Z2Z2-K DC 1.5KV

Solar Cable for PV system

FRCABLE TÜV EN50618 H1Z2Z2-K DC 1.5KV 1×*mm <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 : $-40^{\circ}C \sim +120^{\circ}C$
- ◆ Ambient temperature : $-40^{\circ}C \sim +90^{\circ}C$
- ◆ Maximum short circuit temperature : $250^{\circ}C$

Bending radius

- ◆ Fixed setting : $>4 \times \varnothing$
- ◆ Moves on occasion : $>5 \times \varnothing$

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

Article Number	Color	conductor cross-section(mm ²)	N/mm	Insulation Thickness(mm)	Jacket Thickness(mm)	OD.(mm)	Max.mΩ/m	Ca.mΩ/m	Ampacity(A)
FREN04-3	B/R	1*6.0	84/0.285	1.02	0.9	6.87	3.39	3.28	70