

Single Solar Cable



Applications:

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

General Construction:

Conductor: Soft tinned annealed copper according to IEC 60228, class 5

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

Outer jacket: XLPE, flame retardant, halogen free, E-Beam cross-linked compounds

Rated voltage: $U_0=1.5kV$ DC

Test voltage: 6.5KV AC 5min

Bending radius: Fixed setting : $>4 \times \varnothing$ Moves on occasion : $>5 \times \varnothing$

Working temperature: $-40^{\circ}C$ ----- $+120^{\circ}C$

Specification Details:

Type	Specification	Conductor Structure	Insulation Thickness	Sheath Thickness	O.D.	Coductor resistance (Ω/m)	Current A
H1Z2Z2-K	4mm ²	56/0.28	0.70	0.90	5.60±0.2	5.09	55
H1Z2Z2-K	6mm ²	84/0.28	0.70	0.90	6.20±0.2	3.39	70
H1Z2Z2-K	10 mm ²	77/0.40	0.70	0.80	7.20±0.2	1.95	98