

Photovoltaic Cable

Introduction

Metal-plated copper conductor; cross-linked polyolefin insulation; halogen-free low-smoke cross-linked polyolefin sheath is suitable for solar photovoltaic module systems and has the characteristics of high temperature resistance, weather resistance, and friction resistance. For example: photovoltaic power generation.

Model

GF-WDZXEER、GF-WDZXEESR
GF-WDZXa(N)bEE(R).GF-WDZX(N)
EE(R)P2、GF-WDZX(N)EE23、GF-
WDZX(N)EE63 PV1-F H1Z2Z2-wait.

Application Areas

- Signal control, power connection.
- Electrical control, signal transmission
- Control signals for infrastructure
- Anti-interference for sensitive environments.

Parameters

Rated voltage	1.5kV DC	Conductor material	Tinned copper conductor, single or stranded
Insulation Materials	Cross-linked polyolefin (XLPO) with excellent anti-aging properties	Insulation thickness	0.5 mm ~ 1.0 mm (depending on cable specifications)
Sheath material	Cross-linked polyolefin (XLPO) or halogen-free low-smoke flame retardant material	Shielding Materials	Copper tape shield, copper wire shield or copper foil shield
Sheath material	Polyvinyl chloride (PVC), halogen-free low smoke material (LSZH)	Sheath thickness	1.2 mm ~ 2.5 mm
Core number range	Single-core, dual-core or multi-core design	Operating temperature	-40°C ~ +90°C (long term operation), short term tolerance +120°C
Minimum bending radius	4 times the cable outer diameter	Weather resistance	Anti-ultraviolet, anti-ozone, high and low temperature environment resistance
Fire performance	Complies with EN 50618 and TUV 2Pfg 1169/08.2007 standards, excellent flame retardant performance	Durable life	More than 25 years, ensuring long-term reliable operation of photovoltaic systems

Features

- ### 001 Excellent weather resistance

 - UV-resistant, weatherproof materials.
- ### 002 High electrical performance

 - Tinned copper, low resistance.
 - Low leakage, efficient transmission
- ### 003 Environmental safety

 - Halogen-free, low-smoke, eco-friendly.
 - Flame retardant, enhanced safety.
- ### 004 Strong flexibility

 - Flexible, easy installation, photovoltaic systems.
- ### 005 Long life

 - Anti-aging, 25+ years lifespan.

The cable should be packed in a wooden or steel reel to prevent moisture and shock. Avoid moisture, pressure or damage during transportation and ensure it is firmly fixed. Store in a dry and ventilated environment with a temperature of 5°C to 30°C and a humidity of less than 85%.