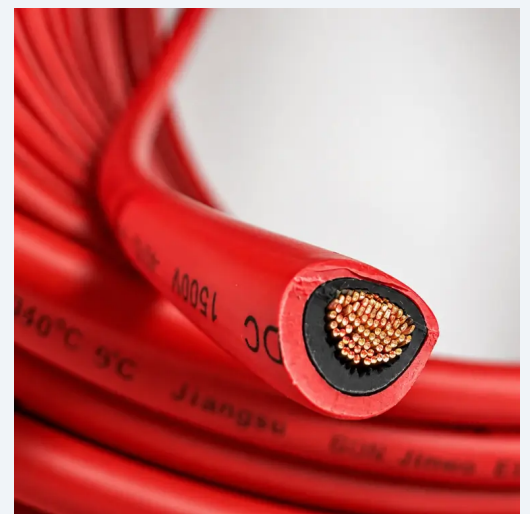


TECHNICAL DATASHEET

Solar Cable

H1Z2Z2-K // RESIDENTIAL USE // COMMERCIAL USE // UTILITY SCALE

The Bexie Energy H1Z2Z2-K (1x6mm²) solar cable is a high-quality photovoltaic conductor designed for demanding solar installations, ensuring maximum safety, durability, and efficiency in systems up to 1500V DC. Manufactured in accordance with EN 50618:2014 standards, this halogen-free cable is designed to withstand extreme conditions, including UV exposure, high temperatures, and direct burial installation.



- ✓ Halogen-free solar cable (LSZH).
- ✓ Rated voltage up to 1500V DC.
- ✓ High resistance to UV rays and extreme weather conditions.
- ✓ Suitable for direct burial installation.
- ✓ Class 5 tinned copper conductor.
- ✓ Low smoke emission in case of fire.

FEATURES



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Industrial Silvota, 33192, Llanera, Asturias

MODEL	H1Z2Z2-K
TECHNICAL DATA	
Cable type	Non-halogen photovoltaic cable
Application	1,500V photovoltaic power systems
Standard	EN 50618:2014
Rated voltage	1500V DC / 1000V AC
Rated temperature	-40°C to +90°C
RoHS compliance	Pass
Conductor material	Tinned copper stranded
Conductor construction	84/(0.285 ± 0.01) mm
Conductor cross-section	1×6 mm ²
Conductor diameter	2.9 mm
Insulation material	XLPO / 125°C
Insulation thickness	0.7 mm
Jacket material	XLPO / 125°C
Jacket thickness	0.8 mm
Cable outer diameter	6.1 ± 0.1 mm
Max. conductor resistance at 20°C	3.39 Ω/km
Test voltage	6,500VAC / 5min
Spark test	10,000VAC
Ambient temperature	-40°C to +90°C
Bending radius (dynamic)	≥ 6 × OD
Bending radius (static)	≥ 4 × OD
Sunlight resistance	EN60811-501
Flame retardant standard	IEC60332-1-2
Resistance against acid & alkaline	Applied
Low smoke density	Yes
Termite resistant	Yes
Direct burial suitable	Yes
Cable colors	Black / Red