



SOLAR PHOTOVOLTAIC CABLES



BS EN 50618



Excellent Resistance to Weather, Abrasion, Temperature and UV Rays TUV Certified Cross-Linked Compound for Insulation and Sheath Ideal for Cables among Solar Modules and Extensions

Application

Solar PV cables are subjected to the harshest conditions during the minimum expected lifetime of 30 years. The temperature on the roof can go high as 80°C and the conductor temperature could reach even higher. Cables are exposed to widest temperature fluctuation and UV light. Uninterrupted, energy efficient performances and durability are the qualities guaranteed by ACL and TUV certification so that customers do not have to pay heavily to replace any defective cables during the expected lifetime of 30 years.

Construction

Conductor Tinned annealed copper wire, stranded Size: Ref. Electrical properties

Insulation Cross-linked Compound
Outer Jacket Cross-linked Compound

Color Code Black / Red

Cable marking CSLK Solar PV Cable H1Z2Z2-K size of the cable in sqmm EN 50618 Month/Year

Packing 500m Bobbins

Technical Data

EN 60228-Class 5
EN 60811-504
EN 60811-505
EN 50396
EN 50618
EN 60332-1-2
EN 50395
AC - U ₀ /U-600/1000V
DC - U _o /U-900/1500V
EN 50618
-40°C to 120°C
EN 60811-401
EN 50618
EN 60068-2-78
5x Cable Dia.

Technical Data

	Item	Conductor		Nominal	Nominal	Nominal	Approx.	Max. dc Res.
		Nominal Cross Sectional Area (mm²)	No. & Dia of Wires (x/mm)	Insulation Thickness (mm)	Sheath Thickness (mm)	Overall Dia. of Cable (mm)	Weight of Cable (kg/km)	at 20 °C ATC ohm/km
	4 sqmm	4	56/0.3	0.7	0.8	5.6	64	5.09
	6 sqmm	6	84/0.3	0.7	0.8	6.2	84	3.39

Technical Data



Maximum Conductor Temperature 120 °C



Resistance To Extreme Temperatures (Minimum -40°C)



Resistance To Ultraviolet Rays



Resistance To Ozone



Resistance To Water Absorption



Life Time Design (30 Years)



Impact Resistance



Abrasion Resistance



Tear Resistance



Environmentally Friendly



Halogen Free



Low Corrosive Gas Emission



Low Smoke Opacity



Non Fire Propagation

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