



CB-1060AR

CB-1060AB

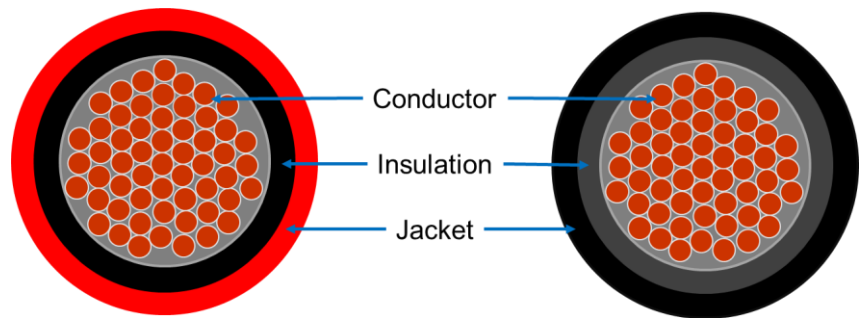


Advance Solar (Photovoltaic) Cable, 6 sq.mm

Scope of Applications

LINK Advance Photovoltaic cable type 62930 IEC131, H1Z2Z2-K (PV1-F), cover the general requirements for photovoltaic cable used for outdoor and indoor installation, and suitable for interconnection wiring of grounded and underground photovoltaic power system. The outer jacket made from electron beam XLPE with FR-LSZH to reduce the amount toxic smoke, UV-resistance and resistance against water. The conductor made of fine wire strands of tinned copper wires to reduce oxidation or corrosion, according IEC 60228 Class5, DIN VDE 0295 Class 5 and RoHS compliant.

Drawing



Technical Standards

- IEC 62930:2017
- EN 50618:2014
- IEC 60228 Class 5
- DIN VDE 0295 Class 5
- TÜV Approvals R 50495554, R 50635458, and R 50635463
- RoHS compliant

Application

- Use for interconnection wiring of grounded and underground photovoltaic power systems
- Solar Farm Solution
- Solar Rooftop Solution
- Solar Floating Solution





Cable Construction

Conductor	Material	Fine wire stranded tinned copper according IEC 60228 Class 5
	Size	6 mm ²
Insulation	Material	Halogen free, Copolymer Electron beam cross-linked polyethylene (XLPE) according IEC 62930:2017 & EN 50618:2014
	Thickness	0.70
	Diameter	4.60±0.2
	Color	Black
Jacket	Material	Halogen free, Copolymer Electron beam cross-linked polyethylene (XLPE) with FR-LSZH according IEC 62930:2017 & EN 50618:2014
	Thickness	0.80
	Color	Red or Black
Cable	Diameter	6.30±0.30

Electrical Characteristic

Conductor Resistance at 20°C	≤ 3.39 Ω/km
Rated Current at 30°C (IEC62930)	72 A
at 60°C (EN50618)	70 A
Nominal Voltage U₀/U	DC 1500/1500V, AC 1000/1000V
Max. DC voltage	1800V (conductor-conductor, non-earth system, circuit not under load)
Insulation Resistance at 20°C	≥ 500 MΩ/km
AC Test Voltage	6.5 KV
DC Test Voltage	15 KV

Environmental Characteristic

Max. temperature at conductor	120°C
Temperature Range	-40°C to +90°C
Halogen free	according IEC 62930:2017, IEC 60754-1, IEC 60754-2 & IEC 62821-1
Ozone resistance	according EN 50396 & IEC 60811-403
UV resistance	according HD 605/A1 & IEC62930 Annex E
Mineral oil immersion	according IEC 60811-404
Flame characteristics	according IEC 60332-1-2 & IEC 60332-1-3
Smoke emission	according IEC 61034-1 & IEC 61034-2
Acid and alkaline resistant	according IEC 62930 & IEC/EN 60811-404
Water resistance	According Category AD8, IEC 62440: Annex A, IEC 60364-5-51: Table 51A
Industrial standard	Approval TÜV IEC 62930 (IEC131) Certificate number. R50495554, R 50635458 Approval TÜV EN 50618:2014 Certificate number. R 50635463



Mechanical Characteristic

Min. bending radius		5 x Cable diameter
Tensile strength and elongation		according IEC 60811-1-1
Tensile Strength	Insulation	≥ 8 N/mm ²
	Jacket	≥ 8 N/mm ²
Cold bending		according IEC 60811-504
Cold elongation		according IEC 60811-505
Hot set test		according IEC 60811-507
Thermal endurance properties		according IEC 60216-2

Order Information

Part number	Description	Color	Length	Package
CB-1060AB	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, (1.5/1.5KVDC), 1x6 mm ²	Black	1000 m	Roll.
CB-1060AR	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, (1.5/1.5KVDC), 1x6 mm ²	Red	1000 m	Roll.
CB-1060AB-5	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, (1.5/1.5KVDC), 1x6 mm ²	Black	500 m	Roll.
CB-1060AR-5	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, (1.5/1.5KVDC), 1x6 mm ²	Red	500 m	Roll.
CB-1060AB-1	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, (1.5/1.5KVDC), 1x6 mm ²	Black	100 m	Easy Bx.
CB-1060AR-1	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, (1.5/1.5KVDC), 1x6 mm ²	Red	100 m	Easy Bx.

*Other jacket color available on request

Specifications subject to change without notice.

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