



SOLAR Cabling

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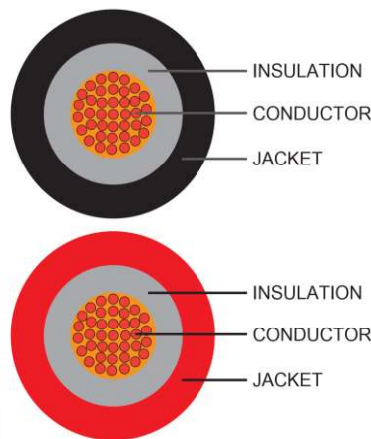
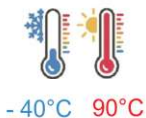
(Photovoltaic Cable)



Kirklin Cabling & Networking ... Kirklin INTERLINK Tel. 02-666-1111 (100 Lines)

STANDARD

- IEC 62930:2017
- EN 50618:2014
- IEC 60228, Class 5
- DIN VDE 0295 Class 5
- TÜV Approvals
- RoHS compliant



ELECTRICAL CHARACTERISTIC

Nominal Voltage U ₀ /U	AC 1000/1000V, DC 1500/1500V
Max. DC voltage	1800V (conductor-conductor, non-earth system, circuit not under load)
AC Test Voltage	6.5 KV
DC Test Voltage	15 KV
Min. Surface resistance of sheath	10 ⁹ Ω

TEMPERATURE

Max. temperature at conductor	-40°C to + 120°C
Temperature Range	-40°C to + 90°C

CABLE CONSTRUCTION

Conductor Material	Fine wire stranded tinned copper according IEC 60228 Class 5
Insulation Material	Halogen free, Copolymer Electron beam cross-linked polyethylene (XLPE)
Jacket Material	Halogen free, Copolymer Electron beam cross-linked polyethylene (XLPE) with FR-LSZH
Jacket Color	Red or Black

TECHNICAL SPECIFICATION

Size (mm ²)	Insulation Thickness (mm)	Jacket Thickness (mm)	Jacket Diameter (mm)	Conductor Resistance at 20°C (Ω/km)	Insulation Resistance at 20°C (MΩ/km)	Rated Current at 60°C (EN 50618) (A)
2.5	0.7	0.80	5.05±0.3	≤ 8.21	≥ 690	41
4	0.7	0.80	5.40±0.3	≤ 4.85	≥ 580	55
6	0.7	0.80	6.30±0.3	≤ 3.25	≥ 500	70
10	0.7	0.80	7.20±0.3	≤ 1.95	≥ 420	98

ORDER INFORMATION

Part Number	Description	Length	Package
CB-1025AX	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, (1,500V), 1x2.5 mm ² , (Black or Red)	1,000 m.	Roll.
CB-1040AX	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, (1,500V), 1x 4 mm ² , (Black or Red)	1,000 m.	Roll.
CB-1060AX	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, (1,500V), 1x 6 mm ² , (Black or Red)	1,000 m.	Roll.
CB-1100AX	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, (1,500V), 1x10 mm ² , (Black or Red)	1,000 m.	Roll.
CB-1160AX	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, (1,500V), 1x16 mm ² , (Black or Red)	1,000 m.	Roll.

X=Color : B (Black) , R(Red)

Add "-1" at the end of the P/N = 100 m / Box.

Add "-5" at the end of the P/N = 500 m / Roll.

