



SOLAR ENERGY CABLES

Electrolytic annealed tinned flexible copper conductor, halogen free thermosetting rubber insulation, halogen free thermosetting outer sheath - Harmonised Code H1Z2Z2-K. Manufactured in accordance with BS EN 50618.

CCC Code	Conductor Size (mm ²)	Stranding (mm)	No. Of Cores	Weight (Kg/Km)	Overall Diameter (mm)
SOLARIX1/5BK	1.5	29/0.25	1	40	4.90
SOLARIX2/5BK	2.5	48/0.25	1	49	5.35
SOLARIX4BK	4	48/0.3	1	66	6.00
SOLARIX6BK	6	72/0.3	1	86	6.55
SOLARIX10BK	10	126/0.3	1	132	7.60
SOLARIX16BK	16	116/0.4	1	188	8.60
SOLARIX25BK	25	180/0.4	1	294	10.80
SOLARIX35BK	35	260/0.4	1	390	11.90

Characteristics.

Nominal voltage: AC: 0.6/1 kV; DC: 1.8 kV.

Ambient temperature range: -40 °C to + 90 °C.

Maximum conductor temperature: 120 °C.

Maximum short-circuit temperature: 250 °C (maximum 5 s).

*Minimum bending radius (fixed): 5 x cable Ø.

No flame propagation: EN 60332-1-2 / IEC 60332-1-2.

No fire propagation: EN 60332-3 / IEC 60332-3.

Halogen free: according to EN 50267 / IEC 60754

HCl content < 0.5%.

pH > 4.3.

conductivity < 10 IS/mm.

Smoke density: light transmittance > 60% (according to EN 61034/IEC 61034).



SINGLE CORE PVC FLEXIBLE MAINS CABLES

Plain annealed flexible copper conductor, PVC insulated PVC sheathed, 6mm to 35mm rated 450/750v 50mm and above rated 600/1000v, generally to BS-EN-50525-11. Flame propagation to BS4066 PT1 & IEC332 PT1.

CCC Code	Conductor Size (mm ²)	Stranding (mm)	No. Of Cores	Weight (Kg/Km)	Overall Diameter (mm)	Gland Size (mm)
6381Y6	6.0	84/0.30	1	105	7.70	20/16
6381Y10	10	80/0.40	1	151	8.80	20S
6381Y16	16	126/0.40	1	208	9.90	20S
6381Y25	25	196/0.40	1	303	11.40	20
6381Y35	35	276/0.40	1	401	12.70	20
6381Y50	50	396/0.40	1	560	14.60	25
6381Y70	70	360/0.50	1	748	16.10	25
6381Y95	95	475/0.50	1	990	18.60	25
6381Y120	120	608/0.50	1	1233	20.20	32
6381Y150	150	756/0.50	1	1528	22.50	32
6381Y185	185	925/0.50	1	1857	25.10	32
6381Y240	240	1221/0.50	1	2419	28.30	40
6381Y300	300	1525/0.50	1	3032	31.20	40
6381Y400	400	2013/0.50	1	3937	35.40	50S

Temperature limits:
-15 to +70°C.

*Bending radius:
Up to 50mm 3 x overall diameter.
Over 70mm 5 x overall diameter.

Standard core colours available:
Black, grey, blue, brown, green/yellow.

Should not be installed at temperatures below 0°C.

Please note that gland and cleat sizes are intended to be indicative and may vary according to different manufacturers tolerances.

*All bending radii shown are indicative only as each individual manufacturer has their own criteria for their product. Specification of the minimum bending radius (MBR) of cables is not referred to in cable standards. This is a manufacturer declaration, based on their own judgement and experience of the capabilities of their cable, it is not a specification defined in standards.