SOLAR CABLE

TECHNICAL FEATURES

Operating temperature	-40°C ÷ +90°C Max core temp. +120°C (20.000hrs)
Rated voltage	0,6/1,0 kV AC - 0,9/1,5 kV DC
Testing Voltage	6,5 kV
Current carrying capacity	Acc. to DIN VDE 0295 resp IEC 60228
Conductor material	Tinned copper strand
Conductor Class	Class 5 DIN VDE 0295 resp IEC 60228
Core insulation	Halogen free Special Copolymer
Colour outer sheath	Halogen free Special Copolymer
Printing	To be defined
Max. temp. of short circuit	250 °C (max. 5 sec)
Min. bending radius	Fixed 4 x cable Ø / mobile use 6 x cable Ø
Standards	CEI EN 60332-1-2 EN 50396 - HD605/A1

APPLICATION

Most favourable cabling in photovoltaic systems, for fixed laying and flexible applications with undefined cable routing. Suitable for use in dry and humid ambient. Outdoor use within temperature range, no laying undergroung

SPECIAL FEATURES

Min. 25 years life -cycle under direct solar radiation, 20.000h at 120°C
UV-resistant, halogen-free, ozon-resistant, resistant to seawater, resistent to acid and base, flame-retardant

REMARKS

Conform to RoHS
CE acc. to EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.
Lead free CEI 20-52

Section mm²			Nom. O.D. mm	Copper weight kg/km	Approx. Cable weight kg/km
1	x	2,50	5,00	24	30
1	x	4,00	5,40	38,4	45
1	x	6,00	6,20	57,6	65
1	x	10	7,40	96	110
1	x	16	8,50	153,6	160
1	x	25	10,50	240	250
1	x	35	11,60	336	340
1	x	50	14,60	480	480
1	x	70	16,60	672	670
1	x	95	18,40	912	890
1	x	120	20,40	1152	1140

ITALICAB the cable specialists

The data and sketches of this technical leaflet are not binding and can be varied as a consequence of modifications and/or improvements deemed necessary by the manufacturer. Tollerances on weights and diameters ± 5%.