

SOLAR CABLE



Temp Range -40°C to +120°C (Peak), Max. Temp at Conductor is -125°C.
 Short Circuit Resistance up to 250°C for 5 Seconds.
 High Resistance against UV, Ozone and hydrolysis.
 Very high mechanical robustness and resistance against moisture and chemicals.
 Compact and Flexible
 TUV Certified

CONDUCT	ANNEALED TINNED COPPER AS PER IEC 606228 CLASS 5
INSULATION	CROSS LINKED SPECIAL HALOGEN FREE FLAME RETARDED COMPOUND (WITH CBXL TECHNOLOGY)
OUTER SHEATH	CROSS LINKED SPECIAL HALOGEN FREE FLAME RETARDED COMPOUND (WITH CBXL TECHNOLOGY)-40°C~+90°C
VOLTAGE GRADE	1000V (AC) / 1800V (DC)
PACKING	IN LENGTHS OF 100/500/1000METERS, ±10%
WEATHER / UV RESISTANT	COMPILES WITH HD 605/A1
FLAME RETARDANT	COMPILES WITH IEC 60332-1-2
HALOGEN FREE	COMPILES WITH IEC 60754-1
OZONE RESISTANT	COMPILES WITH EN 50396
ACID / BRINE RESISTANT	COMPILES WITH EN 60811-2-1
BENDING RADIUS	5XCABLE OUTER DIAMETER
TUV	2PFG 1169/08.2007



AREA OF CROSS SECTION (SQ.MM)	CONDUCTOR STANDARD SIZE (MAX.)	MAX.CONDUCTOR DC RESISTANCE AS PER IEC 606228 @ 20°C(Ω/KM)	OUTER DIAMETER (MM)(APPROX.)	CURRENT CARRYING CAPACITY	
				AIR	GROUND
2.5	0.25	8.21	4.6 ± 0.3	41	39
4	0.3	5.09	5.3 ± 0.3	50	52
6	0.3	3.39	5.8 ± 0.4	70	67
10	0.4	1.95	7.9 ± 0.5	98	93
25	0.4	0.795	10.5 ± 0.7	176	167
35	0.4	0.565	12.0 ± 1.0	218	207
50	0.4	0.393	13.5 ± 0.5	281	268
70	0.5	0.277	15.0 ± 0.5	357	341
95	0.5	0.21	17.5 ± 2.0	425	405
120	0.5	0.164	17.5 ± 2.0	493	470