



# UNIWIRE SOLAR CABLES



### Solar DC Cables from PV Module to Array Junction Box

Single Core in sq.mm	XL- LSOH Insulation Thickness - Nominal in mm	XL- LSOH Sheathing Thickness - Nominal in mm	Overall Dia. Nominal in mm	Tinned Copper Maximum Resistance @ 20°C (ohms- Ω/Km)	Current Carrying Capacity (Single Cable in Air) (in Amps- A)
1.5	0.5	0.5	4.10 +/-0.5	13.700	30
2.5	0.5	0.5	4.10 +/-0.5	8.210	41
4	0.5	0.5	5.1 +/-0.5	5.090	55
6	0.5	0.5	6.1 +/-0.5	3.390	70

### Solar DC Cables from Array Junction Box to Main Junction Box & MJB to Inverter

Single Core in sq.mm	XL- LSOH Insulation Thickness - Nominal in mm	XL- LSOH Sheathing Thickness - Nominal in mm	Overall Dia. Nominal in mm	Tinned Copper Maximum Resistance @ 20°C (ohms- Ω/Km)	Current Carrying Capacity (Single Cable in Air) (in Amps- A)
10	0.5	0.5	6.6 +/-0.5	1.950	98
16	0.5	0.5	7.7 +/-0.5	1.240	132
25	0.9	1.0	10.5 +/-0.7	0.795	176
35	0.9	1.1	12.0 +/-0.7	0.565	218
50	1.0	1.2	14.0 +/-0.7	0.393	274
70	1.1	1.3	16.0 +/-1.0	0.277	406
95	1.1	1.5	18.5 +/-1.0	0.210	491
120	1.2	1.6	20.0 +/-1.0	0.164	576
150	1.4	1.7	22.5 +/-1.0	0.132	670
185	1.6	1.9	25.0 +/-1.0	0.108	784
240	1.7	2.1	28.0 +/-1.0	0.0817	944