

TECHNICAL DATASHEET – S2

AEI Solar Cable – Insulated and Sheathed LSZH



Specification	VDE E PV 01	
Voltage Rating	0.6/1.0 kVac, 1.1/1.8kVdc.	
Description	Flexible tinned copper conductors, LSZH insulation, LSZH sheath.	
Standard Colour	Black	
Fire Performance	Flame Propagation (60332-1), halogen free (EN50267), low smoke (EN61034)	
Environmental	Ozone (IEC 60811-2-1), UV resistant (ISO4892)	
Temp Range	-40°C to +105°C continuous (20,000 hours @120°C)	
Minimum Bend	Flexing D ≤ 10mm 3 x OD	Static D ≤ 10mm 3 x OD
	D ≥ 10mm 5 x OD	D ≥ 10mm 4 x OD

No. of cores & Nominal Cross Sectional Area of Conductor	Diameter of conductor	Maximum DC Conductor Resistance @ 20°C	Nominal diameter over insulation	Nominal Overall Diameter	Nominal Weight
no x mm ²	mm	Ω/Km	mm	mm	Kg/Km
1 x 1.50	1.60	13.70	3.10	4.70	32
1 x 2.50	2.00	8.21	3.50	5.10	47
1 x 4.00	2.50	5.09	4.00	5.60	63
1 x 6.00	3.10	3.39	4.60	6.10	88
1 x 10.00	4.2	1.95	6.00	7.80	131
1 x 16.00	5.5	1.24	7.5	9.30	192
1 x 25.00	6.85	0.795	9.20	11.20	289
1 x 35.00	8.50	0.565	10.90	12.90	389

Note:

- 1 This cable has a separable insulation and sheath. If a bonded, double insulated cable is required refer AEI Solar Cable Double Insulated, data sheet S1
- 2 AEI Cables reserves the right to amend the product information without notice or liability. The information is considered accurate at the time of going to print.

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