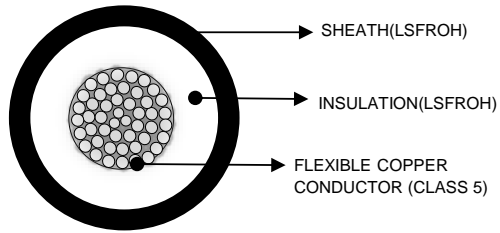




<b>Code: H1Z2Z2-K / PV1 - F</b>
<b>Single Core / Copper Flexible Conductor / LSFROH Insulated / LSFROH Sheath</b>
<b>Solar Cable</b>
<b>Nominal Voltage - DC: 1.8 kV, AC: 0,6/1 kV</b>
<b>Standard: EN 50618, TS EN 50618</b>

**INTEKAR GLOBAL Corporation**



Technical Data		Cable Structure	
Operating temperature	-40 C° to +120 C°	Conductor	Class 5 - EN 60228, IEC 60228, DIN VDE 0295
Short circuit temperature	250 C° (max 5s)		
Min. Transport and laying temperature	-25C°	Insulation	LSFROH - EN 50618, TS EN 50618
Min. bending radius D<12 at (20 ± 10 ) °C , (D-Cable Diameter)	3 x D	Sheath	LSFROH - EN 50618, TS EN 50618
Min. bending radius D>12 at (20 ± 10 ) °C, (D-Cable Diameter)	4 x D		

**Application**

It is specially designed for connections between various elements of systems such as solar panel arrays and inverters in photovoltaic applications. It is used unprotected, in pipes or similar closed systems, in internal or external fixed installations.

DIMENSIONS AND WEIGHTS		ELECTRICAL PROPERTIES			
Nominal Cross Section	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Current Flow In The Air (60 °C )	Conductor DC Resistance at 20 °C	Short Circuit Current Resistance
mm <sup>2</sup>	mm	kg/km	A	ohm/km	kA
1,5	4,6	29,8	30	13,7	0,19
2,5	5,1	40,7	41	8,21	0,32
4	5,6	56,4	55	5,09	0,50
6	6,2	76,8	70	3,39	0,76
10	7,6	121,0	98	1,95	1,26
16	9,1	179,5	132	1,24	2,02
25	11,1	275,8	176	0,795	3,15
35	12,7	378,1	218	0,565	4,41
50	14,8	531,3	276	0,393	6,30
70	16,9	728,1	347	0,277	8,82
95	19,1	942,2	416	0,21	11,97
120	21,1	1197,7	488	0,164	15,12
150	23,6	1508,4	566	0,132	18,90
185	26,4	1797,0	644	0,108	23,31
240	29,5	2377,6	775	0,0817	30,24