



• Application

H1Z2Z2-K cable is designed for versatility, ideal for both indoor and outdoor photovoltaic power supply systems, commonly found in solar farms, rooftop solar installations, and floating platforms. Its exceptional flexibility facilitates easy installation and seamless compatibility with most major solar panel connectors. Additionally, it can be customized with fire-resistant properties and equipped with a copper wire braided screen to safeguard against rodent or mechanical impacts, ensuring durability and reliability in various environments.

• Performance

Operating voltage: 1500Vdc Conductor / Conductor & Earth
 Operating temperature: -15°C to +90°C; Max. temp. at conductor +120°C
 Final short circuit temperature: 250°C
 Test Voltage: 6.5kV for 5 minutes
 Minimum bending radius (mm): 6 x cable overall diameter

• Construction

Conductor: Tinned Annealed Flexible Copper Wire, Class 5
 Insulation: Cross-linked Polyolefin (HFFR)
 Insulation colour: Black / Natural
 Outer sheath: Cross-linked Polyolefin (HFFR) with Anti-Termite Characteristic and UV Resistant
 Outer sheath colour: Black or Red / Other colour upon request
 Optional: Copper Wire Braided Screen; Fire Resistant option upon request

• Specification

-BS EN 50618: photovoltaic (PV) cables

• Eastful Cable Lab



We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction. CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

• Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rhineland and CCS.



• National Green Factory



Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China. We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

● Technical Parameters

Nominal Conductor Cross Section Area	Approx. Conductor Dia.	Insulation Thickness	Overall Sheath Thickness	Approx. Cable Overall Dia.	Approx. Cable Weight	Current Carrying Capacity			Min. Insulation Resistance at Ambient	Max. Conductor Resistance at 20°C
						Single Cable Free in Air	Single Cable on a Surface	Two Loaded Cables Touching on a surface		
mm ²	mm	mm	mm	mm	kg/km	A	A	A	MΩ/km	Ω/km
1 x 1.5	1.5	0.7	0.8	4.7	33	30	29	24	860	13.7
1 x 2.5	1.9	0.7	0.8	5.1	44	41	39	33	690	8.21
1 x 4	2.5	0.7	0.8	5.7	60	55	52	44	580	5.09
1 x 6	3.0	0.7	0.8	6.2	79	70	67	57	500	3.39
1 x 10	3.9	0.7	0.8	7.1	118	98	93	79	420	1.95
1 x 16	5.6	0.7	0.9	9.0	187	132	125	107	340	1.24
1 x 25	7.2	0.9	1.0	11.9	306	176	167	142	340	0.795
1 x 35	9.0	0.9	1.1	13.3	409	218	207	176	290	0.565
1 x 50	10.1	1.0	1.2	14.9	546	276	262	221	270	0.393
1 x 70	11.9	1.1	1.2	16.9	738	347	330	278	250	0.277
1 x 95	13.9	1.1	1.3	19.1	974	416	395	333	220	0.210
1 x 120	15.6	1.2	1.3	21.0	1209	488	464	390	210	0.164
1 x 150	17.6	1.4	1.4	23.6	1508	566	538	453	210	0.132
1 x 185	19.4	1.6	1.6	26.2	1858	644	612	515	200	0.108
1 x 240	22.1	1.7	1.7	29.3	2361	775	736	620	200	0.0817