



Cable Codes; H1Z2Z2-K

Standarts: EN 50618, TS EN 50618,

Technical Specifications;

Operation Temperature : -40 °C ile +90 °C
Maksimum Storage Temperature : +40 °C
Minimum Transport and Application Temperature : -25 °C
(20 ± 10) °C' Min.bending Diameter (D<12) : 3 x D
(20 ± 10) °C' ta Min.bending Diameter (D>12) :4 X D
D:Cable Diameter

Electrical Characteristics;

Nominal Voltage:

Permitted in AC System;
Maximum operation voltage:1.2 /1.2 kV
Permitted in DC System;
Maximum operation voltage:1.8 /1.8 kV

Cable Structure;

- 1.Flexible tinned copper conductor Class 5 (EN 60228, IEC 60228, DIN VDE 0295)
2. Halogen free cross linked insulation material EN 50618, TS EN 50618
3. Halogen free flame retardent cross linled jacket material EN 50618, TS EN 50618

Cable Structure;

Horizontal Flame Propagation / EN 60332-1-2, IEC 60332-1-2, DIN EN 60332-1-2 (VDE 0482-332-1-2)
Smoke Density (Optical transmittance) / EN 61034-2, IEC 61034-2, DIN EN 61034-2, VDE 0482-1034-2,
Testing of Gases Released During Combustion of Materials Used in Cables EN 50525-1, EN 60754-2, EN 50267-2-1

Resistance to Different Environmental Conditions

UV Resistance of Jacket / EN 50289-4-17, VDE 0819-289-4-17
Ozone resistance / EN 60811-403, VDE 0473-811-403
Resistance of the Jacket Against Acid and Alkali Solutions / EN 60811-404, VDE 0473-811-404
Dymanic Penetration test / TS EN 50618

Application;

Specially designed for various element connections such as solar panel arrays and inverters on pv applications.
It is used without protection, in pipes or similar closed systems, indoor or outdoor fixed installations.

Cable Cross Section	Outer Diameter (Average)	Net Weight	Conductor DC Resistance 20 °C Max	Ground 60 °C	Air 60 °C	Short Circuit Current (kA)
mm ²	mm	kg/km	ohm/km			
1x1,5	4,6	29,8	13,7	30	29	0,2
1x2,5	5,1	40,7	8,21	41	39	0,4
1x4	5,6	56,4	5,09	55	52	0,6
1x6	6,2	76,8	3,39	70	67	0,9
1x10	7,6	121	1,95	98	93	1,4
1x16	9,1	179,5	1,24	132	125	2,3
1x25	11,1	275,8	0,795	176	167	3,6
1x35	12,7	378,1	0,565	218	207	5
1x50	14,8	531,3	0,393	276	262	7,2
1x70	16,9	728,1	0,277	347	330	10
1x95	19,1	942,2	0,21	416	395	13,6
1x120	21,1	1197,7	0,164	488	464	17,2
1x150	23,6	1508,4	0,132	566	538	21,5
1x185	26,4	1797	0,108	644	612	26,5
1x240	29,5	2377,6	0,0817	775	736	34,3