

H1Z2Z2-K TUV SOLAR CABLE



APPLICATION

H1Z2Z2-K cable which is TÜV certified according to EN 50618 and IEC 62930, it is suitable for both fixed and mobile solar installations (solar farms, rooftop solar installations and floating plants). It is a highly flexible cable compatible with all major connectors and specially designed for the connection of photovoltaic panels. This versatile single-conductor cable is designed to meet the varying needs of the solar industry. Suitable for wet, damp and humid locations.

APPROVALS

TÜV Standard
EN 50618/ IEC 62930

CABLE DESIGN

Conductor: Electrolytic annealed tinned copper, class 5 (flexible) according to IEC 60228 and EN 60228.

Insulation: XLPO

Sheath: XLPO

Rated voltage: 1.5 (1.8) kV DC
1.0/1.0 kV AC

Conductor		Nominal Insulation Thickness (mm)	Nominal sheath Thickness (mm)	Approx. Overall Diam. (mm)	Approx. Weight (kg/km)	Minimum Insulation		Max. Conductor Resistance DC@20°C (MΩ.km)
Nominal Area (mm²)	Approx. Diam. (mm)					20°C (MΩ.km)	90°C (MΩ.km)	
1×1.5	1.57	0.7	0.8	4.7	38	860	0.86	13.7
1×2.5	2.04	0.7	0.8	5.2	45	690	0.69	8.21
1×4	2.6	0.7	0.8	5.6	60	580	0.58	5.09
1×6	3.16	0.7	0.8	6.3	90	500	0.50	3.39
1×10	4.5	0.7	0.8	7.6	131	420	0.42	1.95
1×16	5.7	0.7	0.9	9.0	187	340	0.34	1.24
1×25	7.2	0.9	1.0	11.2	267	340	0.34	0.795
1×35	8.5	0.9	1.1	12.7	368	290	0.29	0.565
1×50	9.4	1.0	1.2	14.5	560	270	0.27	0.393
1×70	11.1	1.1	1.2	16.5	756	250	0.25	0.277
1×95	13.1	1.1	1.3	18.7	1036	220	0.22	0.210
1×120	14.8	1.2	1.3	20.4	1309	210	0.21	0.164
1×150	16.5	1.4	1.4	22.7	1636	210	0.21	0.132
1×185	18.3	1.6	1.6	25.2	2000	200	0.20	0.108
1×240	21.0	1.7	1.7	28.5	2607	200	0.20	0.0817
2×1.5	1.57	0.7	0.8	4.8*10.5	78	860	0.86	13.7
2×2.5	2.04	0.7	0.8	5.2*11.8	92	690	0.69	8.21
2×4	2.6	0.7	0.8	5.6*12.8	122	580	0.58	5.09
2×6	3.16	0.7	0.8	6.3*13.7	182	500	0.50	3.39
2×10	4.5	0.7	0.8	8.0*16.8	264	420	0.42	1.95
2×16	5.7	0.7	0.9	9.0*19.8	376	340	0.34	1.24