

H1Z2Z2 - K 1.5/1.5kV DC

Electric cable for photovoltaic systems



Application

Cables used in photovoltaic systems for permanent outdoor use. This versatile single-conductor cable is designed to meet the varying needs of the solar industry. Suitable for wet, damp and humid locations

Construction

Conductor	Flexible tinned copper conductor
Insulation	Core insulation of halogen-free, cross-linked polyethylene
Outer sheath	Halogen-free, cross-linked polyethylene

Standards and Certifications

EN 50618
 DIN EN 60228 Class 5 (construction)
 This cable is EZU certified



Technical Data

Rated voltage DC	[kV]	1.5 / 1.5 kV
AC	[kV]	1.0 / 1.0
Max. perm. operating voltage AC	[kV]	1.2 / 1.2 kV
Max. perm. operating voltage DC	[kV]	1.8 / 1.8 kV
Nominal voltage U ₀ /U	[V]	600/1000 Volt
Test voltage	[V] AC	6500 V
Temperature range	fixed C°	-40 till +90 C°
Short circuit time	max [sec]	5
Bending radius	x diameter	6

H1Z2Z2 - K - Electric cable with halogen-free crosslinked in insulation and sheath for photovoltaic systems

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Fire classification CPR class

Reaction to fire EN 60332-1-2 Dca

Resistance to water

AD8 acc to DIN EN 50525-2-21 appendix E

Number of cores x Cross- section	Outer diameter (approx.) [mm]	Weight (approx.) [kg/km]	Maximum electrical resistance at 20° C [Ω/km]
1.5	5.2	36	12.1
2.5	5.9	46	7.41
4	6.5	60	4.61
6	7.1	79	3.08
10	8.8	127	1.83
16	9.8	210	1.15
25	12.3	280	0.727
35	13.8	350	0.524
50	16.3	550	0.387
70	18.5	730	0.268
95	20.2	950	0.193
120	22.5	1150	0.153
150	25.5	1500	0.124
185	28.1	1850	0.101
240	32.1	2430	0.0775

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