

H122Z2-K



Applications

Double insulated, electron-beam cross-linked cables for photovoltaic power applications.

Construction

Conductor	Tinned fine copper strands acc.to VDE 0295/IEC 60228, Class 5.
Insulation	XLPO, flame retardant, halogen free electron-beam cross-linked.
Jacket	XLPO, flame retardant, halogen free, electron-beam cross-linked.
Insulation color	Black
Jacket color	Black or Red

Advantages

-  Double insulated Electron-beam cross-linked compounds
-  Meter marking - easy installation
-  UV, ozone and hydrolysis resistant
-  Compatible to all connectors
-  Halogen free, flame retardant
-  Flexible, easy to strip

Mechanical Feature

Bending radius	4 x outer diameters
Temperature range	-40°C to +90°C, Max.temp. at conductor + 120°C
Short circuit temperature	250°C for 5 s
Flame-resistant test	acc.to EN 60332-1-2
Anticipated service life	25years

Electrical Characteristics

Rated voltage	DC 1500 V AC U ₀ /U: 1.0/1.0kV
Max .permitted voltage	U ₀ 1800 V DC
Insulation resistance	1000MΩ/KM
Test Voltage(AC)	AC 6. 5kV, 50Hz, 5 min

Mechanical feature

Cross section (nxmm ²)	ConductorØ (mm)	OuterØ (mm)	Current-carrying capacity [A] at 60°C	Conductor resistance kΩ/ km at 20°C	Cable Code
1x1.5	1.5	4.3	30	13.7	PV302515
1x2.5	2.0	5.2	42	8.21	PV502525
1x4.0	2.5	5.5	55	5.09	PV562940
1x6.0	3.3	6.3	70	3.39	PV842960
1x10.0	4.3	7.8	98	1.95	PV142301
1x16.0	5.3	9.2	132	1.24	PV228301
1x25.0	6.6	11.3	176	0.795	PV361302
1x35.0	7.8	13.3	218	0.565	PV525303
1x50.0	9.3	14.8	280	0.393	PV720305
1x70.0	11.4	16.9	350	0.277	Py988307
1x95.0	12.8	18.7	410	0.210	PV134930
1x120.0	14.6	20.7	480	0.164	PV169130

*Dimensions and specifications may be changed without prior notice.