

SOLARCET H1Z2Z2-K (2.5 ÷ 6 mm²) photovoltaic cable

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STANDARDS AND APPROVALS

- PN-EN 50618:2014
- PN-EN 50575:2015

TECHNICAL DESCRIPTION

Class 5 tinned copper wire photovoltaic cable. Two insulation layers (inner and outer) are laid on a CuSn copper wire. They are made of cross-linked halogen-free plastics.

Cable colors: black, red, blue.

SCOPE OF APPLICATION

Intended for photovoltaic installations. Executing connections among solar panels, inverters and other devices included in the photovoltaic installation. Due to its high resistance to weather conditions and UV radiation, the cable is designed to be installed outdoors.

DESIGN

Cable structure	multi-strand conductor, tinned CuSn class 5 EN-60228
Strand insulation: material	cross-linked halogen-free plastic
Outer shell	cross-linked halogen-free plastic
Outer shell color	black, red, blue

PACKING

Discs	100 m
Spools, return drums	500 m, 1000 m

TECHNICAL DATA

Classification	ETIM 5.0 Class – ID EC001578 Flexible cables
Strand class	Class 5 - flexible class 5 EN-60228
Insulation resistance	at 20°C: 2.5 mm ² : >= 690 MΩ/km, 4 mm ² : >= 580 MΩ/km, 6 mm ² : >= 500 MΩ/km
Minimum bending radius	4 x outer cable diameter
Nominal voltage	1.0/1.0 kV AC 1.8/1.8 kV DC
Test voltage	6.5 kV
Operating temperature range	-40°C ÷ +90°C, maximum temperature 120°C
Reaction to fire	E _{ca}

PRODUCT FAMILY / PARAMETERS

Manufacturer's index	Symbol	Color	Strand cross-section (mm ²)	Approximate outer diameter (mm)	Weight
KAB10002016	H1Z2Z2-K 1x2.5	black	2.5	5.1	47
KAB10002017	H1Z2Z2-K 1x2.5	red	2.5	5.1	47
KAB10002018	H1Z2Z2-K 1x2.5	blue	2.5	5.1	47
KAB10002019	H1Z2Z2-K 1x4.0	black	4	5.4	63
KAB10002020	H1Z2Z2-K 1x4.0	red	4	5.4	63
KAB10002021	H1Z2Z2-K 1x4.0	blue	4	5.4	63
KAB10002022	H1Z2Z2-K 1x6.0	black	6	6.2	82
KAB10002023	H1Z2Z2-K 1x6.0	red	6	6.2	82
KAB10002024	H1Z2Z2-K 1x6.0	blue	6	6.2	82