

New certification EN 50618 H1Z2Z2-K
Description
Application

ENERGYFLEX® cable is used for photovoltaic systems. This cable links photovoltaic panels and panels to inverter. It is used for fixed installation outdoors or indoors.

Design
1. Conductor:

Flexible tinned copper Class 5 according to IEC 60228.

2. Insulation:

-Halogen Free Polyolefin

3. Outer sheath:

- Halogen Free Polyolefin

- Colour black*

* **Blue** or **Red** stripe on request

- Other colours on request


Standards

International EN 50618

National 2 Pfg 1169/08.2007

Core colours

- Single core= White off

Marking

ENERGYFLEX® PV1-F USE < HAR > H1Z2Z2-K 1 x S mm² 1.0/1.0 kV
NEXANS 269 Photovoltaic^{*xxx.m}

***Yellow (Ink jet marking) for indicative metric marking (+/- 1.5%)**



Conductor flexibility
Flexible class
5



Halogen free
IEC 60754-1



Rated Voltage
Uo/U (Um)
1.0kV/1.0kV



Operating temperature, range
-40 .. 90 °C



Max. conductor temperature in service
120 °C



Gases corrosivity
IEC 60754-2



Smoke density
EN/IEC
61034-2



Weather resistance
Excellent

ENERGYFLEX® H1Z2Z2-K

Characteristics

Construction characteristics	
Conductor flexibility	Flexible class 5
Halogen free	IEC 60754-1
Electrical characteristics	
Rated Voltage U _o /U (Um)	1.0kV/1.0kV
Usage characteristics	
Operating temperature, range	-40 .. 90 °C
Max. conductor temperature in service	120 °C
Short-circuit max. conductor temperature	250 °C
Gases corrosivity	IEC 60754-2
Smoke density	EN/IEC 61034-2
Ozone resistance	Yes
Weather resistance	Excellent
Flame retardant	IEC 60332-1
Fire retardant	C1, NF C 32-070

Product List

☎=Make to order, 📦=In stock

Nexans ref.	Country ref.	Name	Number of cores
☎ 10191044 New	10167761	ENERGYFLEX® 1x10mm ²	1
☎ 10185634 New		ENERGYFLEX® 1x16mm ²	1
☎ 10191023 New	10167757	ENERGYFLEX® 1x2.5mm ²	1
☎ 10189494 New	10167759	ENERGYFLEX® 1x4mm ²	1
☎ 10189495 New	10167760	ENERGYFLEX® 1x6mm ²	1

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APPROVAL TUV



Selling information

"Want to know more about the environmental impact of the product during its life cycle ?

Please contact: sustainable.development@nexans.com and discover the PEPecopassport® declaration available with all the details"