

# CABLES FOR USE IN SOLAR PANELS

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# Cables for use in solar panels

**SOLARFLEX® is a high-security cable, specially designed for photovoltaic applications. It maximizes the performance of solar parks in the short, medium, and long term.**



It is made with materials that, in case of fire, do not emit toxic substances or corrosive gases into the environment, thus protecting health and preventing possible damage to electronic equipment.



Specially designed for photovoltaic applications, it is an excellent conductor used to interconnect circuits of solar panels, generators, direct or alternating current inverters, transforming solar energy into applicable and sustainable electrical energy.



Electrolytic copper cable, annealed and tinned to protect its core from corrosion and facilitate soldering. Insulation and sheath with UV and ozone protection, suitable for outdoor use, providing a longer lifespan for the cable.



All ERPLA cables are manufactured under the ISO 9001:2015 Quality Management System and ISO 14001:2015 Environmental Management System, certified by IRAM.

THE CHOSEN CABLE

SOLARFLEX

# H1Z2Z2-K

Flexible single-pole power cables for interconnection of solar panels, halogen-free and low smoke emission, highly resistant to uv rays, ozone, water, low and high temperatures.



Applications: Photovoltaic farms.

## Conductor // Tinned Copper Class 5

Manufactured in class 5 tinned copper based on a significant number of fine wires of this metal, making them highly flexible and resistant to the most adverse and hostile environmental conditions.

Malleable, durable, non-toxic, resistant, antimicrobial, energy conductive.  
100% recyclable

IRAM NM 247-5  
CERTIFICATIONS



ACCORDING TO MANUFACTURING  
STANDARDS

TÜV 2 PFG 1169/08.2007 PVI-F  
EN 50618 - IEC 60228

Commercial Code	Description	N° de Driver	Nominal cross-section mm <sup>2</sup>	N° of Torons	N° of strand wires	Wire diameter mm	Total number of wires	Diam. cond. mm	Insulation		Sheath		
									Thick-ness mm	Ext. Diam. mm	Thick-ness mm	Diam. under sheath mm	Ext. Diam. mm
SFTF0104 H1Z2Z2-K	Solarfle Tox Free 1x4 mm <sup>2</sup>	1	4	1	50	0.30	50	2.55	0.7	3.95	0.8	3.95	5.60
SFTF0106 H1Z2Z2-K	Solarfle Tox Free 1x6 mm <sup>2</sup>	1	6	1	78	0.30	78	3.18	0.7	4.58	0.8	4.58	6.20
SFTF0110 H1Z2Z2-K	Solarfle Tox Free 1x10 mm <sup>2</sup>	1	10	1	74	0.40	74	4.13	0.7	5.53	0.8	5.53	7.20

Note: dimensions and weights are subject to manufacturing tolerances.

Technical Parameter	Value	Unit
Conductor Material	Tin-plated copper	-
Material de Aislación	Polyolefinic LSZH FR ZI	-
Sheath Material	Polyolefinic LSZH FR ZI	-
Type (Flexibility)	5	-
Service Temp.	-40	°C
Max. Service Temp.	+90	°C
Maximum of operation	120 / 20.000	°C / hours
Short circuit	250	°C
Insulation Voltage in c.c.	1.8	kv
Insulation Voltage in c.a.	0.6 / 1	kv

#### Available insulation and sheath colors

Red	Black
•	•
•	•

#### Presentation



Reel [?=R]  
100m



Wooden spool [?=B]  
Miscellaneous

# The Company

ERPLA is a national company that has been working in the electrical conductors market since 1969, supplying its products to the entire market throughout the country.

## OUR VISION

To be the reference company in the electrical market, providing innovative solutions and services in electrical conduction, with exceptional quality.

## OUR MISSION

To attend to the needs of the market, improving the quality of life of our society.



ERPLA currently operates in the local and regional low voltage cable market, supplying certified and high quality products for the following applications:

## APPLICATIONS

### BARE MEDIUM AND HIGH VOLTAGE OVERHEAD LINES

Cuperflex VC45  
Aluflex VC79  
Midtensor

### MOBILE INSTALLATIONS

Talflex VC50  
Bipolo VC54  
Planoflex VC52

### CONCENTRIC TELEPHONY

GAD

### OVERHEAD LINES

Prensas Distribución VC80  
Prensas Acometida VC30  
Central Flex Al VC93  
Central Flex Cu VC32

### LOW VOLTAGE POWER

Suflex PVC VC625  
Suflex XLPE VC725  
Suflex LSOH VC635

### PROTECTED OVERHEAD LINES

Alprotec

### RENEWABLE ENERGY

Solarflex

### CONTROL AND COMMAND

Suflex Comando  
Talflex Comando VC51

### FIXED INSTALLATIONS

Uniflex VC39  
Vidaflex VC45



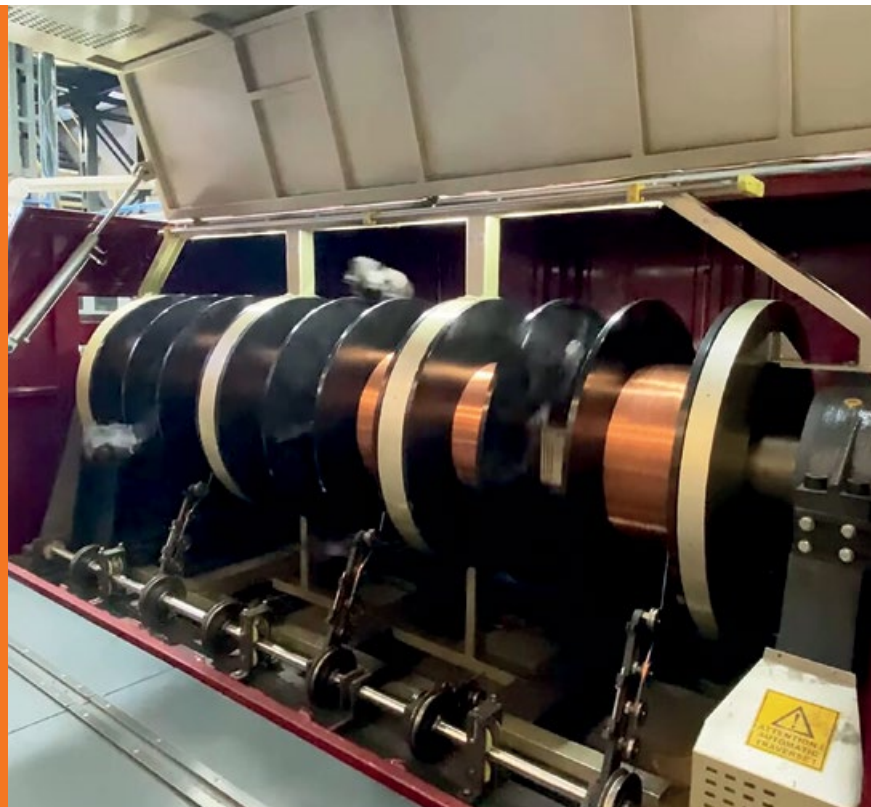
“Today, the company is exporting aluminum and copper cables to various Latin American countries.”

The permanent technological and productive changes that we carry out as a business policy, allow us to update and compete both locally and internationally.

In this way we maintain a high quality standard in our products, all of which are certified by the Argentine Institute of Standardization and Certification (IRAM).

In ERPLA Industries we believe that the most important thing is to meet the needs of our customers. Focusing on the continuous improvement of the product and our company.

Thanks to its development team and its exhaustive research on various materials, ERPLA achieves continuous improvement and constant updating of its products, thereby anticipating the needs of the market.



GESTION DE LA CALIDAD

RI-9000-0000499



GESTION AMBIENTAL

RI-14000-0029



ERPLA Industries has a Quality and Environmental Management System certified in accordance with IRAM-ISO 9001:2015.



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