



# BARE CABLES

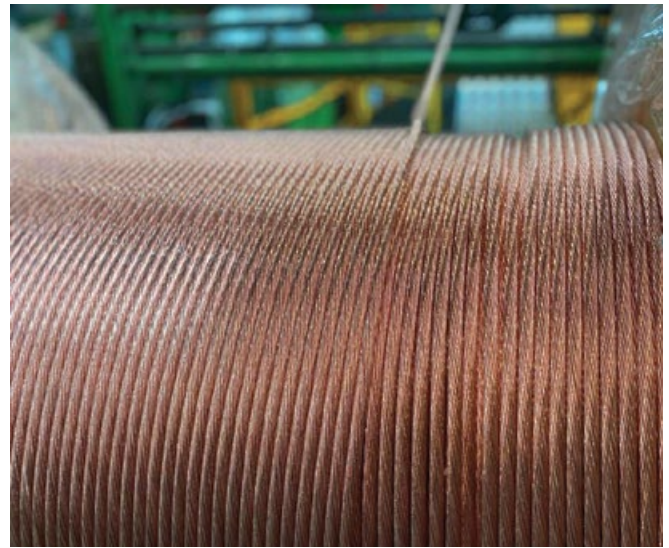


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# Bare Cables

**Bare conductors are used for the transmission and distribution of electrical power mainly in overhead lines and grounding systems. The former are used in overhead lines where a higher breaking load is required, while soft temper is used in grounding systems.**



Trust in our experience backed by years of success in the industry. Choose energy efficiency and reliability. Choose ERPLA cables.



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

# ALUFLEX VC-79

Ideal for working in areas with high industrial pollution atmospheres or in places close to the sea.



Applications: Used in low and medium voltage electrical power distribution in urban, suburban or rural areas.

## Conductor // Aluminum

These conductors are manufactured from aluminum alloy wire rod and are heat treated. The wires are stranded in successive and alternating layers and have an internal identification wire.

They have electrical and mechanical characteristics that make them ideal for overhead power distribution, both low and medium voltage.

CERTIFICATIONS



ACCORDING TO IRAM 2212  
MANUFACTURING STANDARDS

Nominal cross-section	Assembly	Outside Diameter	Approximate weight	DC Resistance at 20° C in cc	Breakage Load	Maximum Current
mm <sup>2</sup>	N°xmm	Mm	Kg/Km	Ohm/km	daN	A
16	7x1.70	5.10	43	2.09	2.09	100
25	7x2.15	6.45	70	1.31	1.31	125
35	7x2.52	7.56	96	0.95	0.95	160
50	7x3.02	9.06	137	0.66	0.66	190
50	19x1.85	9.25	140	0.65	0.65	190
70	19x2.15	10.75	189	0.48	0.48	230
95	19x2.52	12.60	260	0.35	0.35	300
120	19x2.85	14.25	332	0.27	0.27	340
120	37x2.85	15.05	369	0.24	0.24	340
150	37x2.25	15.75	403	0.22	0.22	395
185	37x2.52	17.64	506	0.18	0.18	450
240	37x2.85	19.95	648	0.14	0.14	540
240	61x2.25	20.25	667	0.13	0.13	540
300	61x2.52	22.68	836	0.11	0.11	620
400	61x2.85	25.65	1068	0.08	0.08	720

Cables exposed to the sun with 0.6m/s cross wind. Ambient temperature of 40°C, temperature overheating of 40°C.

#### Features



#### Employment conditions



Technical Parameter	Value	Unit
Conductor Material	Al-Alloy	-
Type (Flexibility)	2	-
Manufacturing range	16 a 400	mm <sup>2</sup>

#### Presentation



Wooden Coil [?=B]  
Various

THE CHOSEN CABLE

CUPERFLEX

# VC-45

Single-core hard copper cable, for overhead line distribution.



Applications: conductors for low and medium voltage electrical energy distribution in urban, suburban, rural areas and grounding networks.

## Conductor // Hard copper.

These cables are constructed from electrolytic copper wire, then wired in successive concentric layers, alternating between each layer. In all cases they have an internal purple and blue identification thread.

High conductivity and mechanical resistance.

CERTIFICATIONS



ACCORDING TO IRAM 2004  
MANUFACTURING STANDARDS

Nominal cross-section	Assembly	Outside Diameter	Approximate weight	DC Resistance at 20° C in cc	Breakage Load	Maximum Current
mm <sup>2</sup>	N°xmm	Mm	Kg/Km	Ohm/km	daN	A
4	7x0.85	2.55	36	6.01		19
6	7x1.05	3.15	55	3.75		26
10	7x1.35	4.05	90	1.81	389	82
16	7x1.70	5.10	173	1.14	614	115
25	7x2.15	6.45	225	0.71	975	143
35	7x2.52	7.56	314	0.51	1326	180
50	7x3.02	9.06	450	0.36	1869	215
50	19x1.85	9.25	462	0.35	1967	215
70	19x2.15	10.75	621	0.26	2645	280
95	19x2.52	12.60	854	0.19	3600	345
120	19x2.85	14.25	1090	0.15	4549	400
150	19.3.20	16	1377	0.11	5667	460
150	37x2.25	15.75	1326	0.12	5628	460
185	37x2.52	17.64	1665	0.09	8010	530
240	37x2.85	19.95	2129	0.07	8858	630
300	37x3.20	22.40	2682	0.06	11040	720

Cables exposed to the sun with a crosswind of 0.6 m/s. Ambient temperature of 40°C, temperature rise of 40°C.

Technical Parameter	Value	Unit
Conductor Material	Hard copper	-
Type (Flexibility)	2	-
Manufacturing range	4 a 300	mm <sup>2</sup>

## Presentation



Wooden Coil [?=B]  
Various

# 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





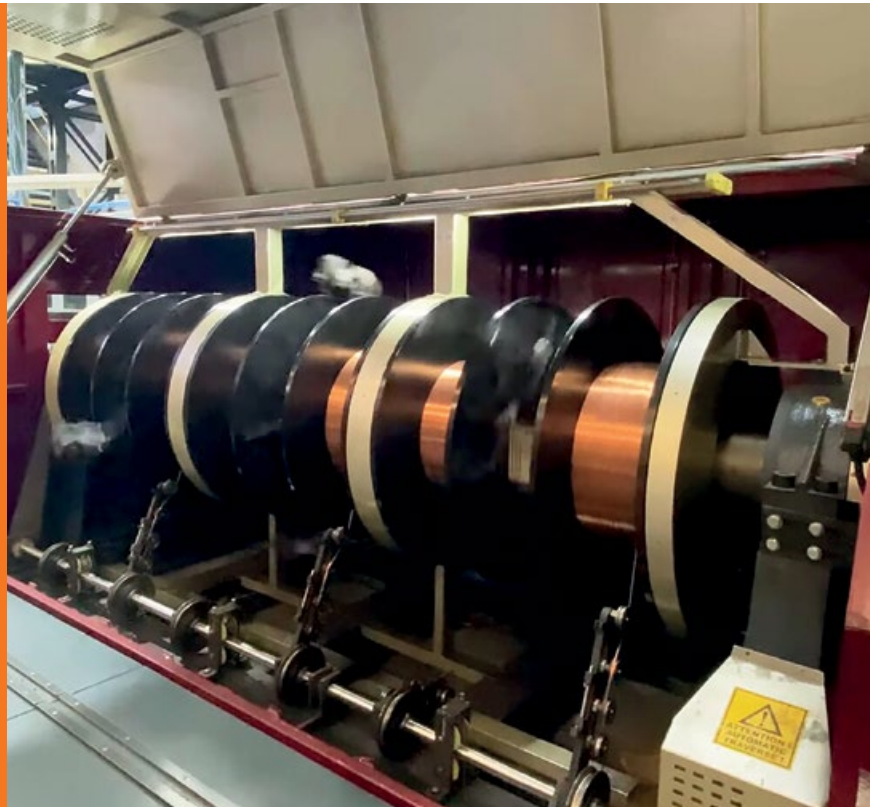
“Today, the company is exporting aluminum and copper cables to various Latin American countries.”

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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