Cables developed for photovoltaic plants

JUMC

Maximum reliability for the photovoltaic industry

rumcab

rumcab

Expect High Performance

Sumcab Specialcable Group, is a global group that designs, manufactures and supplies the highest quality specialty cables. We offer solutions for the most diverse national and international markets. We accompany our clients from project engineering to project execution.

The company is recognized as a world leader in cable manufacturing in a global environment that demands a quality product at a competitive price.



Iberian Market Solutions

Personalized attention with the main objective of finding **the most complete solution and the one that meets the most rigorous requirements.**



Project & Export Management Center

Working together with client to develop the **complete solution for your project or export.**



Robotics

Solutions oriented to satisfy the demand of the demanding Robotics Industry. **From the analysis and development of the product to its implementation**.

175 Employees

+20 Years of History

+7.000 Tailor-made Solutions +50 Countries with projects realized 75M€ Turnover

+100 Product Certifications



Production centers

Sumcab cables reduce costs throughout the entire life cycle of the installation because they are tailored to customer requirements and application demands.

Research and development is one of the pillars of our growth. Our technological innovation guarantees the development of new materials, manufacturing processes and products, providing us with differential value in the market.

The result is a high increase in durability and a decrease in incidents.



Reasons that support us

We always put our client at the center of our activity to offer the best service.



PMC Center of excellence



JUMCab



Your reliable partner anywhere in the world.



Areas Europa | Asia | America | Africa + than 50 countries

Markets in the World

During all these years of experience, at **SUMCAB Projects (PMC)** we have manufactured and supplied cables for a wide variety of projects in industrial markets, which has given us the recognition and trust of important international clients. Collaboration in situations of maximum demand has positioned us as a benchmark brand in guarantee and quality. At **PMC** we accompany you to find the right product, at the right time and in the right place

Our goal:

design, manufacture and supply the specific cable solutions for your project.





Petrochemicals, refineries, steel mills, cement plants etc.

Refinery Ojsc Naftan

Republic Belarus (Oil & Gas)

Desalation Plant "Al Zawrah" UAE

Mineral Plant "Cerro Negro Norte" Chile

To Negro Norte Chile

Ford New Production Lines CMH Kempster Ford Pretoria

Sumoflex[®] & MtpreelTM

Sistems Implementation

Industrial

Automation

Automation plants,

Food & Beverage.

Logistic center

Spain

Daimler

Germany

Automation Inditex

Pharma, Packaging,

Nuclear Fusion Project ITER France (Energy)

Hydraulic Power Plant Tamega Portugal (Energy)

Energy

Generation

Hydraulic Power Plants,

Thermal industries,

Combined Cycle,

Substations. etc.

Combined Cycle Power Gas Plant "Cctg Parnaiba" Brasil Green Energy

Photovoltaic plants, Wind, Thermal Solar, Hybrid, Biomass, Hydrogen stations, etc.

Mohammed Bin Rashid Al Maktoum Solar Park UAE (Solar)

Biomasa Plant - Curtis Spain (Renewable)

Thermosolar Plant Noor Morocco (Renewable)





















Icons



rumcab

Photovoltaic solar plants

SUMCAB cables for the photovoltaic market have been developed and manufactured, complying with the most rigorous quality standards, in order to withstand the most demanding environmental conditions.







Sumsave® H1Z2Z2-K

(DC)1,5/1,5kV (1,8 kV)

Special properties

Construction EN 50618 standard TÜV approved and certified



Technical data

Operating voltages Uo/U(UMAX):

1/1 kV (AC), 1,5/1,5 kV (DC) 1,2 kV (AC), 1,8 kV (DC)



Sumline[®] **RV-RAL**

0,6/1 (1,2) kV A.C.

Special properties

Construction IEC 60502-1







Euroclass CPR



Technical data

Operating voltages Uo/U(Umax): 0,6/1 (1,2) kV (AC) 0.9/1,5 (1,8) kV (DC)

Easy to install with a very low weight.

Easy removal of the outer sheath.

Excellent for outdoor installation.





Sumline[®] **RV-RAL**

1,5/1,5 (1,8)kV D.C.

Special properties

U.V. resistant

E_{ca}

Euroclass CPR

Construction IEC 60502-1



Technical data

Operating voltages Uo/U(UMAX): 1,5/1,5 (1,8) kV (DC)





Flame retardant Low smoke



resistant

Rodent & termite

protection



High flexibility Impact resistant



Easy to install with a very low weight.

Easy removal of the outer sheath.

Excellent for outdoor installation.

Sumline® RV-R AL

1,8/3 (3,6) kV A.C.

Special properties

Construction IEC 60502-1









Technical data

Operating voltages Uo/U(UMAX):

1,8/3 (3,6) kV (AC) 2,7/4,5 (5,4) kV (DC)

Easy to install with a very low weight.

Easy removal of the outer sheath.

Excellent for outdoor installation.





Sumsolar[®] (S) AL XZ1-R

0,6/1 (1,2) kV A.C.

Special properties

Construction IEC 60502-1 HD 603-5x



Technical data

Operating voltages Uo/U(UMAX): 0,6/1 (1,2) kV (AC) 0.9/1,5 (1,8) kV (DC)

Easy to install with a very low weight.

Easy removal of the outer sheath.

Low smoke and halogen free for indoor installation.





Low temperarures U.V. resistant

resistant



Impact resistant



Sumsave® (AS) AL RZ1-R

0,6/1 (1,2) kV A.C.

Special properties

Construction IEC 60502-1



Technical data

Operating voltages Uo/U(UMAX): 0,6/1 (1,2) kV (AC) 0.9/1,5 (1,8) kV (DC)

Easy to install with a very low weight.

Easy removal of the outer sheath.

Low smoke and halogen free for indoor installation.





Sumline[®] RC4V-R

0,6/1 (1,2) kV A.C.

Special properties

Construction IEC 60502-1



Technical data

Operating voltages Uo/U(UMAX): 0,6/1 (1,2) kV

Shielded cable recommended for signals that need to be protected from interference.









Low temperatures resistant





Impact resistant

Sumsave® RC4Z1-R

0,6/1 (1,2) kV A.C.

Special properties

Construction acc. IEC 60502-1





Technical data

Operating voltages Uo/U(UMAX): 0,6/1 (1,2) kV

Shielded cable recommended for signals that need to be protected from interference.





Sumsolar[®] **RVFV-R ESP**



0,6/1 (1,2) kV A.C. SPECIAL ARMOUR

Special properties

Construction based on IEC 60502-1

Technical data

Operating voltages Uo/U(UMAX): 0,6/1 (1,2) kV (AC) 0.9/1,5 (1,8) kV (DC)

Protective armor, specially designed for photovoltaic installations.

Easy removal of the outer sheath.

Excellent for outdoor installation.

Flame retardant Water resistant

Fire retardant



U.V. resistant





High flexibility Rodent & termite

Euroclass CPR



protection

Sumsave®



Special properties

Construction acc. IEC 60502-2/ BS6622/HD 620





Technical data

Operating voltages Uo/U(UMAX):

6/10 (12)kV, 8,7/15 (17,5)kV 12/20 (24)kV, 18/30 (36)kV 19/33 (36)kV, 20,8/36 (42)kV

Cable for Medium Voltage outdoor installations.





Sumline[®] **AL RH5V**

18/30 (36)kV

Special properties

Construction acc. IEC 60502-2/ BS6622/HD 620



Technical data

Operating voltages Uo/U(UMAX): 6/10 (12)kV, 8,7/15 (17,5)kV 12/20 (24)kV, 18/30 (36)kV 19/33 (36)kV, 20,8/36 (42)kV

Cable for Medium Voltage outdoor installations.



Fire retardant

Flame retardant Water resistant



Low temperatures resistant



U.V. resistant











Euroclass CPR



Sumsave® AL RHZ1

18/30 (36)kV

Special properties

Construction acc. IEC 60502-2/ BS6622/HD 620





Technical data

Operating voltages Uo/U(UMAX): 6/10 (12)kV, 8,7/15 (17,5)kV, 12/20 (24)kV, 18/30 (36)kV, 19/33 (36)kV, 20,8/36 (42)kV

Cable for Medium Voltage outdoor installations.



Sumsave® AL RH5VFV

18/30 (36)kV

Special properties

Construction acc. IEC 60502-2/ BS6622/HD 620



Technical data

Operating voltages Uo/U(UMAX): 6/10 (12)kV, 8,7/15 (17,5)kV 12/20 (24)kV, 18/30 (36)kV 19/33 (36)kV, 20,8/36 (42)kV

Armoured Cable for Medium Voltage outdoor installations.



Fire retardant

Flame retardant Water resistant



Low temperatures resistant





Euroclass CPR





protection









Sumsave® AL RH5Z1



protection

Special properties

Construction acc. IEC 60502-2/ BS6622/HD 620





Technical data

Operating voltages Uo/U(UMAX):

6/10 (12)kV, 8,7/15 (17,5)kV 12/20 (24)kV, 18/30 (36)kV 19/33 (36)kV, 20,8/36 (42)kV

Cable for Medium Voltage indoor installations





Sumline® Modbus RS-485 Li2Y(St)CY

PIMF 300V/500V

Special properties

Fire retardant

Low temperatures

resistant

Rodent & termite

protection

Flame retardant

U.V. resistant

E_{ca}

Euroclass CPR

Construction EN 50288-7

RS-485

Communication

Water resistant

Impact resistant

Technical data

Operating voltages Uo/U(UMAX): 300 V/500 V

Recommended cable for solar installations, in outdoor areas where you have to work with the RS-485 communication protocol, protecting the cable from electromagnetic interference.



Sumline® Modbus RS-485 Li2Y(St)CYSWAY

PIMF 300V/500V

Special properties

Construction EN 50288-7





Operating voltages Uo/U(UMAX): 300 V/500 V

Armoured cable recommended for solar installations, in outdoor areas where it is necessary to work with the RS-485 communication protocol, protecting the cable from electromagnetic interference and mechanical.





Sumline[®] Modbus RS-485 Li2Y(St)CY

300V/500V

Special properties

Construction EN 50288-7

Technical data

Operating voltages Uo/U(UMAX): 300 V/500 V

RS-485 Flame retardant Communication Fire retardant Low smoke





Low temperatures resistant









Euroclass CPR





Impact resistant



Recommended cable for solar installations, in outdoor areas where you have to work with the RS-485 communication protocol, protecting the cable from electromagnetic interference.

Sumline[®] Modbus RS-485 Li2Y(St)CYSWAY

300V/500V

Special properties

Construction EN 50288-7



Armoured cable recommended for solar installations, in outdoor areas where it is necessary to work with the RS-485 communication protocol, protecting the cable from electromagnetic interference and mechanical.

Technical data

300 V/500 V

Operating voltages Uo/U(UMAX):







Expect High Performance

HEADQUARTER

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