Miguélez
CABLES

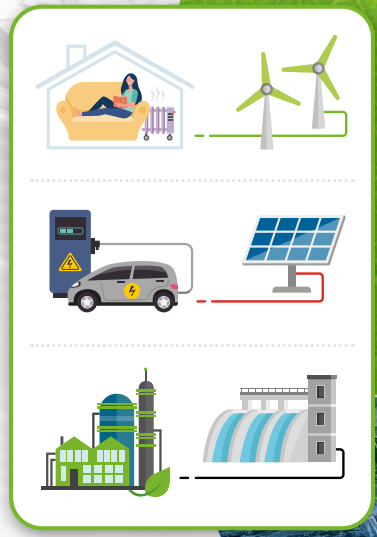
Part of the solution

WORLDWIDE

Individual awareness is key to a rational and sustainable use of energy. Responsible consumption and a commitment to renewable energy sources instead of those that use fossil fuels, make your choice **Part of the solution**.

Remember that electricity is well-being, what is harmful for the Environment are some of the methods used to obtain it.

Our mission is to conduct all that clean electricity, promoting green mobility, sustainable air conditioning and environmental protection. And that is possible with our SOLFLEX, AFIRENAS X, BARRYFLEX, SHIELD and TERRANAX cable ranges. Reliable electrical cables for the transport of energy from generation to consumption.



The decarbonization of the planet is urgent: The more electricity, the more life. Without a doubt, we are *Part of the solution*.

BARRY H07V-U & H07V-R

EN 50525-2-31 & IEC 60227-3. **Uo/U**: 450/750 V AC.
Max. conductor temperature. Normal operation / short-circuit (t≤5s): 70 °C / 160 °C.

Construction: Conductor: Copper, class 1 or 2* / Insulation: PVC type TI1.
** Class 1 (s=1.5 / 2.5 / 4 mm²); Class 2 (s≥6 mm²).*
Reaction to fire (CPR): E_{ca}. **Other fire performance features**: Flame retardant (IEC 60332-1-2).
Applications: Cable for fixed installations in general application and as internal wiring of electrical equipment and switchboards. Installation in surface-mounted or embedded conduits (or similar closed systems).

BARRYFACIL (H07V-U bundle)

EN 50525-2-31 & IEC 60227-3. **Uo/U**: 450/750 V AC.
Max. conductor temperature. Normal operation / short-circuit (t≤5s): 70 °C / 160 °C.

Construction: Helical bundle of insulated conductors type Barry H07V-U.
Reaction to fire (CPR): E_{ca}. **Other fire performance features**: Flame retardant (IEC 60332-1-2).
Applications: Especially intended for the wiring of domestic installations, offices as well as for internal wiring of switchboards or electrical appliances. Installation in surface-mounted or embedded conduits (or similar closed systems).

BARRYFLEX H07V-K

EN 50525-2-31 & IEC 60227-3. **Uo/U**: 450/750 V AC.
Max. conductor temperature. Normal operation / short-circuit (t≤5s): 70 °C / 160 °C.

Construction: Conductor: Cu, class 5 / Insulation: PVC type TI1.
Reaction to fire (CPR): E_{ca}. **Other fire performance features**: Flame retardant (IEC 60332-1-2).
Applications: Cable for fixed installations in general application and as internal wiring of electrical equipment and switchboards. Installation in surface-mounted or embedded conduits (or similar closed systems).

AFIRENAS H07Z1-U TYPE 2 (AS) & H07Z1-R TYPE 2 (AS)

EN 50525-3-31. **Uo/U**: 450/750 V AC.
Max. conductor temperature. Normal operation / short-circuit (t≤5s): 70 °C / 160 °C.
Construction: Conductor: Copper, class 1 or 2* / Insulation: Thermoplastic polyolefin type TI7 (LSZH).
** Class 1 (s=1.5 / 2.5 / 4 mm²); Class 2 (s≥6 mm²).*
Reaction to fire (CPR): $B2_{ca}$-s1a,d1,a1. **Other fire performance features**: Fire retardant, halogen-free and low gas and smoke emission with low opacity/toxicity/corrosivity/conductivity (IEC 60332-1-2, IEC 60332-3-24, IEC 61034-2 & IEC 60754-1 & 2).

Applications: High safety cable (AS), uniquely designed for fixed installations in general application and as internal wiring of electrical switchboard/equipment. Recommended for public access premises (hospitals, airports, malls, etc.), high-rise buildings, tunnels and any other installation that requires special behaviour in case of fire. Installation in surface-mounted or embedded conduits (or similar closed systems).

AFIRENAS-L H05Z1-K / ES05Z1-K (AS)

EN 50525-3-31 & UNE 211002. **Uo/U**: 300/500 V AC.
Max. conductor temperature. Normal operation / short-circuit (t≤5s): 70 °C / 160 °C.
Construction: Conductor: Copper, class 5 / Insulation: Thermoplastic polyolefin type TI7 (LSZH).
Reaction to fire (CPR): C_{ca}-s1b,d1,a1.
Other fire performance features: Flame retardant, fire retardant, halogen-free and low gas and smoke emission with low opacity/toxicity/corrosivity/conductivity (IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1, IEC 60754-2 & IEC 61034-2).

Applications: High safety cable (AS), designed particularly as internal wiring of electrical switchboards, panels, electrical equipment, appliances and lighting fixtures. Recommended for public access premises (hospitals, airports, malls, etc.), high-rise buildings, tunnels and any other installation that requires its special behaviour in case of fire.

AFIRENAS-L H07Z1-K TYPE 2 (AS)

EN 50525-3-31 & UNE 211002. **Uo/U**: 450/750 V AC.
Max. conductor temperature. Normal operation / short-circuit (t≤5s): 70 °C / 160 °C.
Construction: Conductor: Copper, class 5 / Insulation: Thermoplastic polyolefin type TI7 (LSZH).
Reaction to fire (CPR): $B2_{ca}$-s1a,d1,a1.
Other fire performance features: Flame retardant, fire retardant, halogen-free and low gas and smoke emission with low opacity/toxicity/corrosivity/conductivity (IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1, IEC 60754-2 & IEC 61034-2).

Applications: High safety cable (AS), distinctly designed for fixed installations in general application and as internal wiring of electrical switchboard/equipment. Recommended for public access premises (hospitals, airports, malls, etc.), high-rise buildings, tunnels and any other installation that requires special behaviour in case of fire. Installation in surface-mounted or embedded conduits (or similar closed systems).

Consult much more information about our products (e.g. manufacturing range, range with CPR classification or that covered by the indicated certifications...) on the website: **www.miguelez.com**

The installation systems and additional requirements established by any regulation, law and/or standard applicable to each particular case must be met.

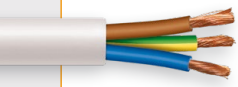
AFIRENAS CC-Z H07Z-R

EN 50525-3-41 & UNE 21027-9. **Uo/U**: 450/750 V AC.
Max. conductor temperature. Normal operation / short-circuit (t≤5s): 90 °C / 250 °C.
Construction: Conductor: Copper, class 2 / Insulation: Thermosetting polyolefin type EI5 (LSZH).
Reaction to fire (CPR): C_{ca}-s1a,d1,a1.
Other fire performance features: Flame retardant, fire retardant, halogen-free and low gas and smoke emission with low opacity/toxicity/corrosivity/conductivity (IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1, IEC 60754-2, IEC 61034-2).

Applications: High safety cable (AS), intended to be used as internal wiring of electrical switchboards, panels, equipment and mechanisms. Recommended for public access premises (hospitals, airports, malls, etc.), high-rise buildings, tunnels and any other installation that requires special behaviour in case of fire. Installation in surface-mounted or embedded conduits (or similar closed systems).

BARRYFLEX-MAN H05VV-F

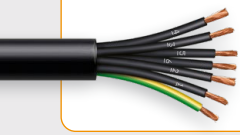
EN 50525-2-11 & IEC 60227-5. **Uo/U**: 300/500 V AC.
Max. conductor temperature. Normal operation / short-circuit (t≤5s): 70 °C / 160 °C.
Construction: Conductor: Copper, class 5 / Insulation: PVC type TI2 / Oversheath: PVC type TM2.



Reaction to fire (CPR): E_{ca}. **Other fire performance features**: Flame retardant (IEC 60332-1-2).
Applications: Cable suitable for mobile or portable application in indoor installations. Specifically designed for the connection of appliances (e.g. vacuum cleaners, washing machines, centrifuges and refrigerators) in houses, kitchens, offices and even damp premises. Suitable for use in ordinary or normal service with medium mechanical stress.

BARRYFLEX MULTIPLE ES05VV-F

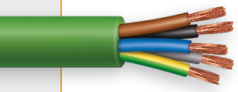
UNE 21031. **Uo/U**: 300/500 V AC.



Max. conductor temperature. Normal operation / short-circuit (t≤5s): 70 °C / 160 °C.
Construction: Conductor: Copper, class 5 / Insulation: PVC type TI2 / Oversheath: PVC type TM2.
Reaction to fire (CPR): E_{ca}. **Other fire performance features**: Flame retardant (IEC 60332-1-2).
Applications: Cable suitable for mobile use in indoor industrial facilities. Recommended for the command and control of automation, as well as in the interconnection of parts of machines used for manufacturing, including machine tools.

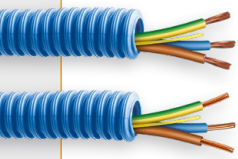
AFIRENAS-MAN H05Z1Z1-F

EN 50525-3-11. **Uo/U**: 300/500 V AC.
Max. conductor temperature. Normal operation / short-circuit (t≤5s): 70 °C / 160 °C.
Construction: Conductor: Copper, class 5 / Insulation: Thermoplastic polyolefin type TI6 (LSZH) / Oversheath: Thermoplastic polyolefin type TM7 (LSZH).

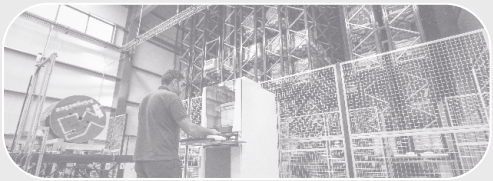


Reaction to fire (CPR): E_{ca}.
Other fire performance features: Flame retardant, halogen-free and low gas and smoke emission with low opacity/toxicity/corrosivity/conductivity (IEC 60332-1-2, IEC 60754-1, IEC 60754-2, IEC 61034-2).
Applications: Cable for mobile or portable application in indoor installations. Especially suitable if low corrosive gas and smoke emission is required in case of fire (e.g. trade fairs and stands, domestic premises and offices). Suitable for use in ordinary or normal service with medium mechanical stress.

PRECAB -U, -K & Z1-K (Pre-wired conduit)



IEC 61386-1/22 (conduit).
EN 50525-2-31 (H07V-U/K).
EN 50525-3- 31 (H07Z1-K TYPE2 (AS)).
Uo/U: 450/750 V CA.
Max. conductor temperature. Normal operation / short-circuit (t≤5s): 70 °C / 160 °C.
Construction: Pre-wired conduit. Polypropylene conduit (ICTA 3422) + cables (H07V-U/-R/-K or H07Z1-K(AS)) + guide.
Conduit: Flame retardant.
Reaction to fire (CPR - EN 50575 & EN 13501-6): H07V-U/K (E_{ca}) or H07Z1-K ($B2_{ca}$-s1a,d1,a1).
Applications: Thanks to Precab, you can save material, time, and human resources, improving your business profitability. Intended for indoor installations in residential, industrial, or public concurrence spaces. Suitable for fixed installations, embedded in walls/concrete or inside ceiling voids and raised floors.



BARRYFLEX SHIELD H05VVC4V5-K

EN 50525-2-51. **Uo/U**: 300/500 V AC.
Max. conductor temperature. Normal operation / short-circuit (t≤5s): 70 °C / 160 °C.

Construction: Conductor: Copper, class 5 / Insulation: PVC type TI2 / Inner sheath: PVC type TM2 / Shield: Cu braid / Oversheath: PVC type TM5.
Reaction to fire (CPR): E_{ca}. **Other fire performance features**: Flame retardant (IEC 60332-1-2).
Applications: Shielded cable, uniquely designed for interconnection of parts of machines used for manufacturing purposes including machine tools where some degree of protection against electromagnetic interference is required. Applications requiring resistance to general purpose mineral oils.

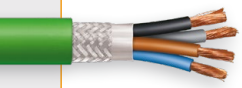
BARRYFLEX SHIELD VC4V-K 300/500 V

EN 50525-2-11. **Uo/U**: 300/500 V AC.
Max. conductor temperature. Normal operation / short-circuit (t≤5s): 70 °C / 160 °C.

Construction: Conductor: Copper, class 5 / Insulation: PVC / Shield: Al/PET tape + Cu Sn braid / Oversheath: PVC.
Reaction to fire (CPR): E_{ca}. **Other fire performance features**: Flame retardant (IEC 60332-1-2).
Applications: Shielded cable suitable for fixed installations that require electromagnetic protection. Specially designed to be used as a command & control cable in industrial and general installations.

AFIRENAS SHIELD Z1C4Z1-K (AS) 300/500 V

EN 50525-3-11. **Uo/U**: 300/500 V AC.
Max. conductor temperature. Normal operation / short-circuit (t≤5s): 70 °C / 160 °C.
Construction: Conductor: Copper, class 5 / Insulation: Thermoplastic polyolefin (LSZH) / Shield: Al/PET tape + Cu Sn braid / Oversheath: Thermoplastic polyolefin (LSZH).
Reaction to fire (CPR): C_{ca}-s1b,d1,a1. **Other fire performance features**: Flame retardant, fire retardant, halogen-free and low gas and smoke emission with low opacity/toxicity/corrosivity/conductivity (IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1, IEC 60754-2 & IEC 61034-2).



Applications: Shielded cable, designed in particular to be used as a command & control cable in those installations which require electromagnetic protection and a special performance in case of fire (solenoid valve control, regulation...).

CABLES OF RATED VOLTAGE 0.6/1 kV

SOLFLEX H1Z2Z2-K

EN 50618 & IEC 62930. **U**= 0.6/1 kV AC and 1.5 kV DC (Umax=1.8 kV DC).
Max. conductor Temp. Normal operation / short-circuit (t≤5s): 90 °C (120 °C 20,000 h) / 250 °C.
Construction: Conductor: Tinned copper, class 5 / Insulation: Crosslinked polyolefin (LSZH) / Oversheath: Crosslinked polyolefin (LSZH).

Reaction to fire (CPR): E_{ca}. **Other fire performance features**: Flame retardant, halogen-free and low gas and smoke emission with low opacity/toxicity/corrosivity/conductivity(IEC 60332-1-2, IEC 60754-1, IEC 60754-2 & IEC 61034-2).
Applications: Exclusively designed for wiring photovoltaic (PV) energy installations, either mobile or fixed, with direct and permanent exposure to the sun and weather. Designed for installation between PV modules, PV modules and the junction box, or between PV modules and inverter (when there is no junction box). Suitable for the application in/at equipment with protective insulation (protection class II).

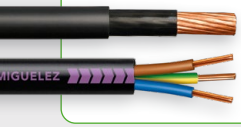
BARRYNAX RZ 0.6/1 kV

UNE 21030-2. **Uo/U**: 0.6/1 kV AC.
Max. conductor temperature. Normal operation / short-circuit (t≤5s): 90 °C / 250 °C.

Construction: Conductor: Copper, class 1 or 2* / Insulation: XLPE with carbon black.
** Class 1 (s=1.5 / 2.5 / 4 mm²); Class 2 (s≥6 mm²).*
Reaction to fire (CPR): F_{ca}.
Applications: Designed particularly for installation on façades or walls in outdoor lighting overhead power lines or secondary distribution networks. Resistant to weathering and UV radiation (AN3 condition).

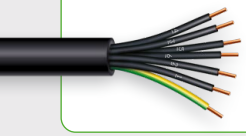
BARRYNAX U-1000 R2V

NF C 32-321 & IEC 60502-1. **Uo/U**: 0.6/1 kV AC.
Max. conductor temperature. Normal operation / short-circuit (t≤5s): 90 °C / 250 °C.



Construction: Conductor: Copper, class 1 or 2* / Insulation: XLPE / Oversheath: PVC type ST2.
** Class 1 (s=1.5 / 2.5 / 4 mm²); Class 2 (s≥6 mm²).*
Reaction to fire (CPR): E_{ca}. **Other fire performance features**: Flame retardant (IEC 60332-1-2).
Applications: Especially indicated as a power cable in LV distribution networks (DC & AC) and general, industrial or outdoor lighting installations. Suitable for indoor and outdoor installations, on supports in the air, in conduits or buried. Resistant to weathering and UV radiation (AN3).

BARRYNAX MULTIPLE U-1000 R2V



NF C 32-321 & IEC 60502-1.
Uo/U: 0.6/1 kV AC.
Max. conductor temperature. Normal operation / short-circuit (t≤5s): 90 °C / 250 °C.
Construction: Conductor: Copper, class 1 / Insulation: XLPE / Oversheath: PVC type ST2.
Reaction to fire (CPR): E_{ca}. **Other fire performance features**: Flame retardant (IEC 60332-1-2).
Applications: Command and control cable in fixed installations. Resistant to weathering and UV radiation (AN3).

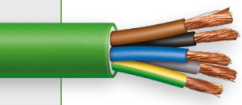
BARRYFLEX RV-K 0.6/1 kV

UNE 21123-2 & IEC 60502-1. **Uo/U**: 0.6/1 kV AC.
Max. conductor temperature. Normal operation / short-circuit (t≤5s): 90 °C / 250 °C.
Construction: Conductor: Copper, class 5 / Insulation: XLPE / Oversheath: PVC type ST2.
Reaction to fire (CPR): E_{ca}. **Other fire performance features**: Flame retardant (IEC 60332-1-2).
Applications: Distinctly suitable as a power cable for fixed installations in LV distribution networks (DC & AC) and in general, industrial or outdoor lighting installations. It can also be used for electrical installations in ships according to IEC 60092-350/353/360. Suitable for indoor and outdoor installations, on supports (brackets, clamps, cable trays or ladders), in conduits or buried. Its great flexibility makes it exceptionally practical for complex geometric installations.

BARRYFLEX MULTIPLE RV-K 0.6/1 kV

UNE 21123-2 & IEC 60502-1. **Uo/U**: 0.6/1 kV AC.
Max. conductor temperature. Normal operation / short-circuit (t≤5s): 90 °C / 250 °C.
Construction: Conductor: Copper, class 5 / Insulation: XLPE / Oversheath: PVC type ST2.
Reaction to fire (CPR): E_{ca}. **Other fire performance features**: Flame retardant (IEC 60332-1-2).
Applications: Particularly suitable as a command and control cable in fixed installations for production and industrial plants. Their great flexibility makes them especially convenient for complex geometric installations. Suitable for indoor and outdoor installations, on supports (brackets, clamps, cable trays or ladders), in conduits or buried.

AFIRENAS X RZ1-K (AS) 0.6/1 kV



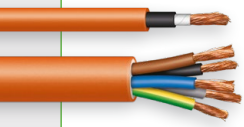
UNE 21123-4 & IEC 60502-1. **Uo/U**: 0.6/1 kV AC.
Max. conductor temperature. Normal operation / short-circuit (t≤5s): 90 °C / 250 °C.
Construction: Conductor: Copper, class 5 / Insulation: XLPE / Oversheath: Thermoplastic polyolefin type ST8 (LSZH).
Reaction to fire (CPR): C_{ca}-s1b,d1,a1.
Other fire performance features: Flame retardant, fire retardant, halogen-free and low gas and smoke emission with low opacity/toxicity/corrosivity/conductivity (IEC 60332-1-2, IEC 60332-3-22 and 24, IEC 60754-1, IEC 60754-2 & IEC 61034-2).
Applications: High safety (AS), fire retardant and halogen-free power cable. Suitable for LV distribution networks (DC & AC) which require special performance in case of fire. Highly recommended for fixed installations in public access premises, places with fire and explosion hazard, high-rise buildings, tunnels, as well as in general, residential, industrial or outdoor lighting installations. It can also be used for electrical installations in ships according to IEC 60092-350/353/360. Suitable for indoor and outdoor installations, on supports (brackets, clamps, cable trays or ladders), in conduits or buried.

AFIRENAS X MULTIPLE RZ1-K (AS) 0.6/1 kV

UNE 21123-4 & IEC 60502-1. **Uo/U**: 0.6/1 kV AC.
Max. conductor temperature. Normal operation / short-circuit (t≤5s): 90 °C / 250 °C.
Construction: Conductor: Copper, class 5 / Insulation: XLPE / Oversheath: Thermoplastic polyolefin type ST8 (LSZH).
Reaction to fire (CPR): C_{ca}-s1b,d1,a1. **Other fire performance features**: Flame retardant, fire retardant, halogen-free and low gas and smoke emission with low opacity/toxicity/corrosivity/conductivity (IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1, IEC 60754-2 & IEC 61034-2).
Applications: High safety (AS), fire retardant and halogen-free command & control cable. Recommended primarily for fixed installations in public access premises, places with fire and explosion hazard, high-rise buildings, tunnels, as well as in general, residential or industrial. Suitable for indoor and outdoor installations, on supports (brackets, clamps, cable trays or ladders), in conduits or buried.

AFIREFENIX SZ1-K 0.6/1 kV PH120 (AS+) / MICA RZ1-K 0.6/1 kV PH120 (AS+)

UNE 211025. **Uo/U**: 0.6/1 kV AC.
Max. conductor temperature. Normal operation / short-circuit (t≤5s): 90 °C / 250 °C.
Construction:
• SZ1-K(AS+) = Conductor: Copper, class 5 / Insulation: Silicone / Oversheath: Thermoplastic polyolefin type ST8 (LSZH) *(S≤10 mm²)*.
• RZ1-K(AS+) = Conductor: Copper, class 5 / Insulation: Mica tape + XLPE / Oversheath: Thermoplastic polyolefin type ST8 (LSZH) *(S≥16 mm²)*.
Resistance to fire: EN 50200, IEC 60331-2 (d<20 mm) / IEC 60331-1 (120 minutes).
Reaction to fire (CPR - EN 50575 & EN 13501-6): C_{ca}-s1b,d1,a1.



Other fire performance features: Flame & fire retardant, halogen-free and low gas and smoke emission with low opacity/toxicity/corrosivity/conductivity (IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1/2 & IEC 61034-2).
Applications: Specially designed for use as a power or control cable in installations where the power supply of certain circuits must be preserved regardless of being directly affected by fire. Particularly intended for non-autonomous safety circuits or circuits with centralised autonomous power systems, alarm circuits, signalling and emergency lighting, acoustic warning, exhaust fans and water pumps for fire suppression. Recommended specifically for fixed installations in public access premises, places with fire and explosion hazard, high-rise buildings and tunnels.

BARRYNAX AR-FLEJE RVFAV / RVFV 0.6/1 kV

UNE 21123-2 & IEC 60502-1. **Uo/U**: 0.6/1 kV AC.
Max. conductor temperature. Normal operation / short-circuit (t≤5s): 90 °C / 250 °C.
Construction: Conductor: Copper, class 1 or 2* / Insulation: XLPE / Inner Sheath: PVC type ST2 / Armour: Double tape** / Oversheath: PVC type ST2.
** Class 1 (s=1.5 / 2.5 / 4 mm²); Class 2 (s≥6 mm²).*
*** Double aluminium tape armour for single-core cable or double steel tape armour for multicore cable (applied helically).*

Reaction to fire (CPR): E_{ca}. **Other fire performance features**: Flame retardant (IEC 60332-1-2).
Applications: Extra suitable for fixed installations that may undergo mechanical aggressions and/or shear stress (e.g. industrial plants, buried LV networks (DC & AC), etc.). Recommended where rodents may pose a threat to the integrity of the cable.

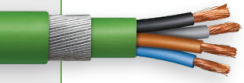
BARRYNAX AR-CORONA RVMV 0.6/1 kV

IEC 60502-1 & UNE 21123-2. **Uo/U**: 0.6/1 kV AC.
Max. conductor temperature. Normal operation / short-circuit (t≤5s): 90 °C / 250 °C.
Construction: Conductor: Copper class 1 or 2* / Insulation: XLPE / Inner Sheath: PVC type ST2 / Armour: Galvanized steel wires / Oversheath: PVC type ST2.
** Class 1 (s=1.5 / 2.5 / 4 mm²); Class 2 (s≥6 mm²).*

Reaction to fire (CPR): E_{ca}. **Other fire performance features**: Flame & fire retardant (IEC 60332-1-2 & IEC 60332-3-24).
Applications: Armoured cable highly indicated for LV distribution lines (DC & AC) which require mechanical protection and special behaviour in case of fire. It is suitable for places with fire hazard premises (e.g. gas stations, warehouses for flammable products, etc.).

AFIRENAS AR-CORONA RZ1MZ1-K (AS) 0.6/1 kV

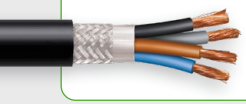
IEC 60502-1 & UNE 21123-4. **Uo/U**: 0.6/1 kV AC.
Max. conductor temperature. Normal operation / short-circuit (t≤5s): 90 °C / 250 °C.
Construction: Conductor: Copper class 5 / Insulation: XLPE / Inner Sheath: Thermoplastic polyolefin type ST8 (LSZH) / Armour: Galvanized steel wires / Oversheath: Thermoplastic polyolefin type ST8 (LSZH).



Reaction to fire (CPR): C_{ca}-s1b,d1,a1.
Other fire performance features: Flame retardant, fire retardant, halogen-free and low gas and smoke emission with low opacity/toxicity/corrosivity/conductivity (IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1, IEC 60754-2 & IEC 61034-2).
Applications: Armoured cable greatly indicated for LV distribution lines (DC & AC) which require mechanical protection and special behaviour in case of fire. It is suitable for places with fire hazard premises (e.g. gas stations, warehouses for flammable products, etc.), public access premises and tunnels.

BARRYFLEX SHIELD RC4V-K 0.6/1 kV

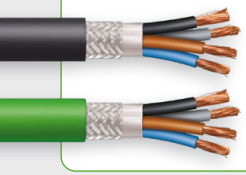
UNE 21123-2 & IEC 60502-1. **Uo/U**: 0.6/1 kV AC.
Max. conductor temperature. Normal operation / short-circuit (t≤5s): 90 °C / 250 °C.
Construction: Conductor: Copper, class 5 / Insulation: XLPE / Shield: Al/PET tape + Cu Sn braid / Oversheath: PVC type ST2.



Reaction to fire (CPR): E_{ca}. **Other fire performance features**: Flame retardant (IEC 60332-1-2).
Applications: Shielded power, control or command cable suitable for general and industrial fixed installations that require electromagnetic protection (i.e. VFD [s≤10 mm²], motorized valves, command of contactors, current and voltage regulation...). Perfect for protecting the cable, nearby signal cables or electronic devices against possible disturbances and interferences.

AFIRENAS SHIELD RC4Z1-K 0.6/1 kV

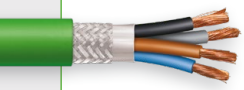
IEC 60502-1. **Uo/U**: 0.6/1 kV AC.
Max. conductor temperature. Normal operation / short-circuit (t≤5s): 90 °C / 250 °C.



Construction: Conductor: Copper, class 5 / Insulation: XLPE / Shield: Al/PET tape + Cu Sn braid / Oversheath: Thermoplastic polyolefin type ST8 (LSZH).
Reaction to fire (CPR): E_{ca}. **Other fire performance features**: Flame retardant, fire retardant, halogen-free and low gas and smoke emission with low opacity/toxicity/corrosivity/conductivity (IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1, IEC 60754-2 & IEC 61034-2).
Applications: Shielded cable, designed to be used as a power, command & control cable in those installations which require electromagnetic protection and a special performance in case of fire. Perfect for protecting the cable, nearby signal cables or electronic devices against possible disturbances and interferences.

AFIRENAS SHIELD Z1C4Z1-K (AS) 0.6/1 kV

UNE 211034 and ref. (IEC 60502-1). **Uo/U**: 0.6/1 kV AC.
Max. conductor temperature. Normal operation / short-circuit (t≤5s): 70 °C / 160 °C.
Construction: Conductor: Copper, class 5 / Insulation: Thermoplastic polyolefin (LSZH) / Shield: Al/PET tape + Cu Sn braid / Oversheath: Thermoplastic polyolefin (LSZH).



Reaction to fire (CPR): C_{ca}-s1a,d1,a1. **Other fire performance features**: Flame retardant, fire retardant, halogen-free and low gas and smoke emission with low opacity/toxicity/corrosivity/conductivity (IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1, IEC 60754-2 & IEC 61034-2).
Applications: Shielded cable, specially designed to be used as a power, command & control cable in those installations which require electromagnetic protection and special performance in case of fire. Perfect for protecting the cable, nearby signal cables or electronic devices against possible disturbances and interferences.

BARE COPPER CONDUCTORS

TERRANAX Bare copper conductor (soft-drawn)

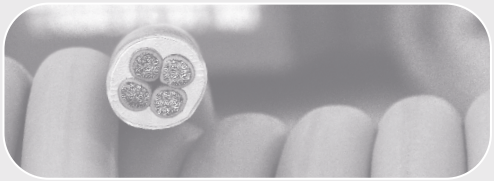
UNE-EN 60228, EN 60228 & IEC 60228.
Construction: Bare copper conductor (soft-drawn), stranded, class 2 according to standards EN 60228 & IEC 60228.

Range: Nominal cross-sectional areas from 6 to 300 mm².
Applications: Especially recommended for earthing and grounding networks. Excellent resistance to underground corrosion in normal soils.

TENDENAX Bare copper conductor (hard-drawn)

UNE 207015.
Construction: Bare copper conductor (hard-drawn), stranded according to UNE 207015.

Range: Nominal cross-sectional areas from 16 to 300 mm².
Applications: Fixed installation. Intended for overhead power lines and electrical substations.



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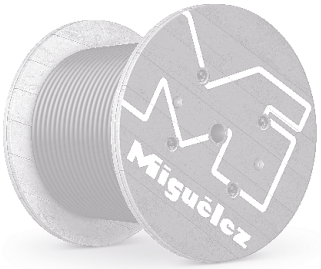
The largest network of interconnected cable warehouses in the world



Find here all the **technical information** you need.

AENOR QUALITY MANAGEMENT ISO 9001 ER-0068/1995
IQNET RECOGNIZED CERTIFICATION ES-0068/1995

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Part of the solution