



**TOXFREE ZH Z1C4Z1-K**  
The halogen free screened control cable



**TOXFREE ZH RZ1FZ1-K 0,6/1 kV**  
The halogen free protected cable



**TOXFREE ZH RZ1MZ1-K 0,6/1 kV**  
The halogen free cable with high mechanical strength



**TOXFREE PLUS ZH 331 SZ1-K**  
The fire resistant power cable.



**TOXFREE XTREM ZH H07ZZ-F**  
The super-flexible halogen free cable

- **CONDUCTOR:** electrolytic copper, class 5 (flexible)
- **INSULATION:** low smoke, halogen free polyolefin
- **SCREEN:** tinned copper braided screening
- **OUTER SHEATH:** low smoke, halogen free, flame retardant polyolefin

**USE:** this cable is suitable for signaling and control systems and connection of industrial equipments, where interferences must be reduced. These cables are sheathed with fire retardant compounds and also do not emit toxic gases or fumes should the cable catch fire thus improving the overall safety of the installation.



- **CONDUCTOR:** electrolytic copper, class 5 (flexible)
- **INSULATION:** cross-linked polyethylene.
- **INNER COVERING:** low smoke, halogen free, flame retardant polyolefin
- **ARMOUR:** : double steel tape.
- **OUTER SHEATH:** low smoke, halogen free, flame retardant polyolefin.

**USE:** Armoured cable with double steel tape, ideal for installations where there is a possibility of mechanical aggression. Recommended cable in installations with presence of rodents. These cables are sheathed with fire retardant compounds and do not emit toxic gases or fumes in a fire, improving the overall safety of the installation.



- **CONDUCTOR:** electrolytic copper, class 5 (flexible)
- **INSULATION:** cross-linked polyethylene.
- **INNER COVERING:** low smoke, halogen free, flame retardant polyolefin
- **ARMOUR:** : galvanized steel wire.
- **OUTER SHEATH:** low smoke, halogen free, flame retardant polyolefin.

**USE:** armoured cable with galvanized steel wire, suitable for installations where there is a possibility of severe mechanical aggression. Recommended cable in installations where the cable must withstand high pulling forces during laying. These cables are sheathed with fire retardant compounds and do not emit toxic gases or fumes in a fire, improving the overall safety of the installation.



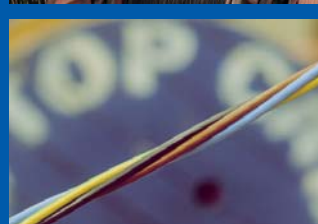
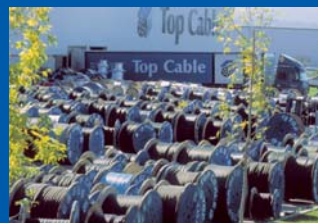
- **CONDUCTOR:** electrolytic copper, class 5 (flexible)
- **INSULATION:** silicone.
- **OUTER SHEATH:** low smoke, halogen free, flame retardant polyolefin.

**USE:** fire resistant cable, suitable for emergency circuits where the cable must withstand fully developed fire without failures. These cables are sheathed with fire retardant compounds and do not emit toxic gases or fumes in a fire, improving the overall safety of the installation



- **CONDUCTOR:** electrolytic copper, class 5 (flexible)
- **INSULATION:** halogen free thermosetting EPR compound.
- **OUTER SHEATH:** low smoke, halogen free, flame retardant thermosetting rubber compound.

**USE:** heavy duty halogen free rubber-sheathed cable with extra safety characteristics in case of fire. These cables are sheathed with fire retardant compounds and do not emit toxic gases or fumes in a fire, improving the overall safety of the installation.



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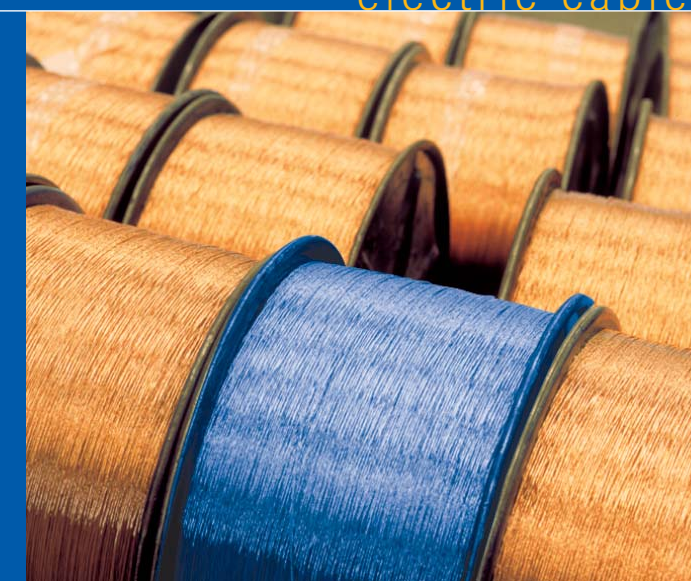
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electric cables

# Top Cable

electric cables

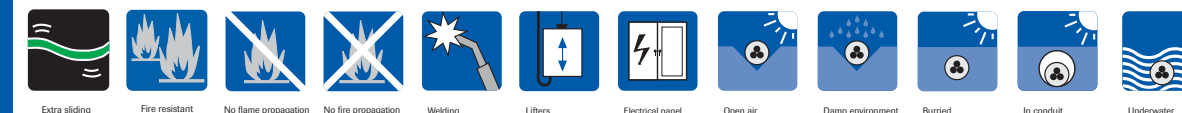
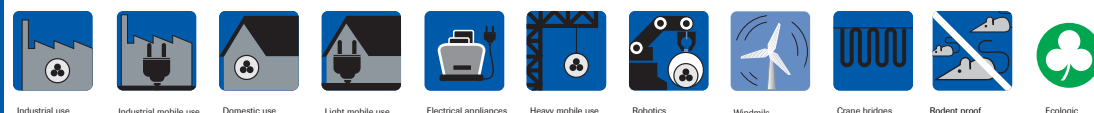


Top Cable's factories, located in Barcelona and Lleida (Spain) have the most updated machinery currently available for manufacturing electric cables. The Quality Assurance Systems - certified to standard ISO 9001 : 2000 and applied to all the phases of the manufacturing process in our factories - assure a high degree of quality both in our cables and in our service.

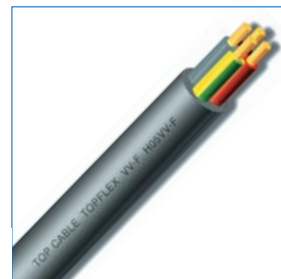
Service is a fundamental factor in our overall strategy. In this respect, a large range of cable is permanently kept by us in stock, with almost 1.500 different references located in over 30.000m<sup>2</sup> of storage space. This, combined with the dynamism and professionalism of our staff, enables Top Cable to guarantee the highest quality service to our customers worldwide.

The flexibility and big production capacity of Top Cable's manufacturing plants enables a speedy manufacturing of those special cables that are not kept in stock.

Customer assistance and service are two of the pillars on which the trading strategy of Top Cable is based on. Thanks to this, our export figure has experienced an impressive growth in the last years. A reduction in the geographic distance that separates us from our customers worldwide is rapidly achieved in response to demand with the logistic support of the leading transport companies that we work with worldwide.



**TOPFLEX V-K H05V-K & H07V-K**  
Easy and safe Installations



**TOPFLEX VV-F H05VV-F**  
The flexible connection for interiors



**XTREM H07RN-F**  
Power and flexibility to the limit.



**TOPWELD H01N2-D**  
The special cable for welding



**TOPFLAT H07VVH6-F**  
Flexibility when moving

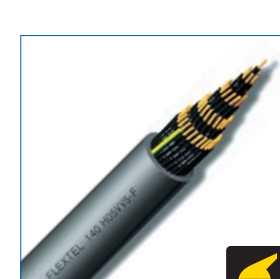
→ **CONDUCTOR:** electrolytic copper; class 5 (flexible) **<HAR>**  
→ **INSULATION:** PVC

**USE:** these wires are suitable for laying in tubes and in closed installation conduits. Also suitable for lightning protection, control panels and for internal wiring in machines and appliances.

**APPLICATIONS:**



**FLEXTEL 120 ES05VV-F**  
Flexible control cable



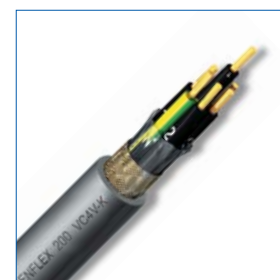
**FLEXTEL 140 H05VV5-F**  
The harmonised oil resistant control cable



**FLEXTEL 200 VV-K 0.6/1kV**  
The 1kV control cable



**SCREENFLEX 110 LiYCY 300/500 V**  
Safe signal transmission



**SCREENFLEX 200 VC4V-K 0.6/1kV**  
Power transmission without interference

→ **CONDUCTOR:** electrolytic copper; class 5 (flexible).  
→ **INSULATION:** PVC.  
→ **OUTER SHEATH:** high flexibility PVC.

**USE:** this cable is ideal for signalling and control systems, connection of industrial equipment, machine tools etc.

**APPLICATIONS:**



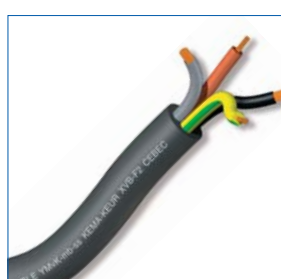
**TOPFLEX TRI-RATED H07V2-K**  
The universal cable



**POWERFLEX RV-K 0.6/1kV**  
The universal flexible cable for power transmission



**POWERFLEX U-1000 R2V**  
Flexible cable for power transmission



**POWERFLEX PLUS YmK mb ss XVB-F2 0.6/1kV**  
The universal cable for power transmission with improved fire proof properties



**POWERHARD F RVFV-K & 0.6/1kV**  
Protected power transmission

→ **CONDUCTOR:** electrolytic copper; class 5 (flexible) **<HAR>**  
→ **INSULATION:** PVC  
→ **OUTER SHEATH:** high flexibility oil resistant PVC

**USE:** this cable is suitable as a control cable for the connection of industrial equipments, machine tools, conveyor belts and production lines when a high degree of oil resistance is required.

**APPLICATIONS:**

→ **CONDUCTOR:** electrolytic copper; class 5 (flexible) **<HAR>**  
→ **INSULATION:** PVC  
→ **OUTER SHEATH:** high flexibility PVC

**USE:** this cable is suitable for use in fixed installations where a flexible cable is required. The improved mechanical and chemical resistance offered by the outer sheath material makes this cable ideal for use in specially aggressive damp environments.

**APPLICATIONS:**

→ **CONDUCTOR:** electrolytic copper; class 5 (flexible)  
→ **INSULATION:** PVC  
→ **SEPARATOR:** polyester tape  
→ **SCREEN:** tinned copper braided screening  
→ **OUTER SHEATH:** high flexibility PVC

**USE:** this cable is suitable as a control cable for the connection of industrial equipment, machine tools, conveyor belts and production lines where a degree of protection against electromagnetic interference is required.

**APPLICATIONS:**

→ **CONDUCTOR:** electrolytic copper; class 5 (flexible)  
→ **INSULATION:** PVC  
→ **SEPARATOR:** polyester tape  
→ **SCREEN:** tinned copper braided screening  
→ **OUTER SHEATH:** high flexibility PVC

**USE:** this special cable is suitable for power transmission when other control cables are laid next to it. The copper braiding prevents electromagnetic interference with these other cables.

**APPLICATIONS:**

**UL AWM - CSA TYPE TEW-BS 6231 TYPE CK**

→ **CONDUCTOR:** electrolytic copper; class 5 according to IEC 60228 and BS 6360  
→ **INSULATION:** high temperature polyvinyl chloride, type T13 according to HD21 and Class 43 according to UL 1581

**USE:** the Topflex Tri-Rated has been designed for the internal wiring of electrical cabinets, switch boards and small electrical devices. Due to its multi-standard design, it complies with European, British, Us and Canadian standards.

**APPLICATIONS:**

→ **CONDUCTOR:** electrolytic copper; class 5 (flexible)  
→ **INSULATION:** cross-linked polyethylene  
→ **OUTER SHEATH:** high flexibility PVC

**USE:** This cable, thanks to its flexibility and high power transmission capacity, can be used in all kinds of low voltage industrial installations. Its high degree of flexibility allows an easy installation in difficult layouts. It can also be buried directly or installed in tubes and can be used permanently outdoor. This cable can withstand damp conditions including total immersion in water.

**APPLICATIONS:**

→ **CONDUCTOR:** electrolytic copper; special super-flexible class 2  
→ **INSULATION:** cross-linked polyethylene  
→ **OUTER SHEATH:** flexible black PVC compound

**USE:** the cable Powerflex U-1000 R2V for energy distribution is suitable for all types of low voltage industrial-type connections, in urban grids, building installations, etc. Its high flexibility makes the installation process substantially easier and as a result is particularly suitable for use in difficult layouts.

**APPLICATIONS:**

→ **CONDUCTOR:** electrolytic copper; special super-flexible class 2  
→ **INSULATION:** cross-linked polyethylene  
→ **INNER COVERING:** extruded PVC compound  
→ **OUTER SHEATH:** special PVC gray compound

**USE:** this cable is suitable for all type of industrial low voltage connections, in urban grids, building installations, etc. The fire retardant properties make this cable recommended for places with presence of public and in hazardous industries.

**APPLICATIONS:**

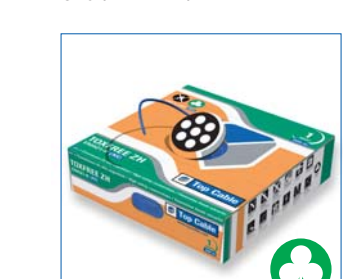
→ **CONDUCTOR:** electrolytic copper; class 5 (flexible)  
→ **INSULATION:** cross-linked polyethylene (RVFV)  
→ **INNER COVERING:** PVC  
→ **ARMOUR:** double steel tape  
→ **OUTER SHEATH:** PVC

**USE:** this cable is suitable for installations with a potential hazard of mechanical wear-and-tear, presence of rodents which may attack the sheathing, environments with potential risk of explosion, etc.

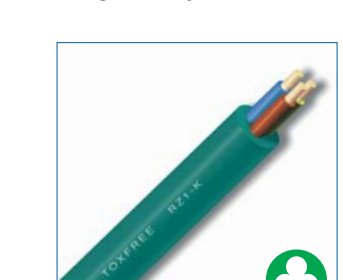
**APPLICATIONS:**



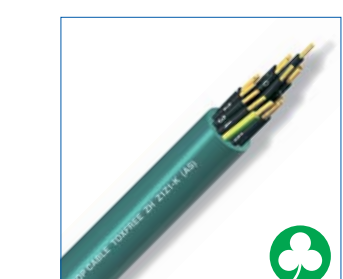
**POWERHARD M RVMV-K 0.6/1kV**  
Highly protected power transmission



**TOXFREE ZH ES07Z1-K**  
High safety connections



**TOXFREE ZH RZ1-K 0.6/1kV**  
The halogen free fire retardant power cable



**TOXFREE ZH Z1Z1-K**  
The halogen free control cable



**TOXFREE ZH RC4Z1-K**  
The halogen free screened power cable

→ **CONDUCTOR:** electrolytic copper; class 5 (flexible)  
→ **INSULATION:** cross-linked polyethylene  
→ **INNER COVERING:** PVC.  
→ **ARMOUR:** galvanized steel wire  
→ **OUTER SHEATH:** PVC.

**USE:** This cable is suitable for installations with a potential hazard of mechanical wear-and-tear. Its suitable for installations with a potential risk of fire or explosion, like gas station or warehouse with flammables. Additionally, its armour provides a high level of tensile strength during installation.

**APPLICATIONS:**

→ **CONDUCTOR:** electrolytic copper; class 5 (flexible)  
→ **INSULATION:** low smoke, halogen free, flame retardant polyolefin

**USE:** this cable is generally suitable for the same applications than standard H07V-K cable but when extra safety characteristics in case of fire are required. These cables are sheathed with fire retardant compounds and also do not emit toxic gases or fumes should the cable catch fire thus improving the overall safety of the installation. The absence of halogens in these cables make them highly ecological.

**APPLICATIONS:**

→ **CONDUCTOR:** electrolytic copper; class 5 (flexible)  
→ **INSULATION:** cross-linked polyethylene  
→ **OUTER SHEATH:** low smoke, halogen free, flame retardant polyolefin

**USE:** flexible cable recommended/compulsory for low voltage electrical installations when extra safety characteristics in case of fire are required. Normally used in places where there is a big affluence of people (offices, cinemas, supermarkets, airports, etc). Also recommended/ compulsory to be used in the lighting systems inside tunnels. These cables are sheathed with fire retardant compounds and also do not emit toxic gases or fumes should the cable catch fire thus improving the overall safety of the installation.

**APPLICATIONS:**

→ **CONDUCTOR:** electrolytic copper; class 5 (flexible)  
→ **INSULATION:** low smoke, halogen free polyolefin  
→ **OUTER SHEATH:** low smoke, halogen free, flame retardant polyolefin

**USE:** this cable is suitable for signaling and control systems, connection of industrial equipments, machine tools, etc. These cables are sheathed with anti fire propagation compounds and also do not emit toxic gases or fumes should the cable catch fire thus improving the overall safety of the installation. The absence of halogens in these cables make them highly ecological.

**APPLICATIONS:**

→ **CONDUCTOR:** electrolytic copper; class 5 (flexible)  
→ **INSULATION:** cross-linked polyethylene  
→ **SCREEN:** tinned copper braided screening  
→ **OUTER SEATH:** low smoke, halogen free, flame retardant polyolefin

**USE:** this cable is suitable for all type of low voltage connections where interference produced by the power cable itself must be reduced. These cables are sheathed with fire retardant compounds and also do not emit toxic gases or fumes should the cable catch fire thus improving the overall safety of the installation.

**APPLICATIONS:**