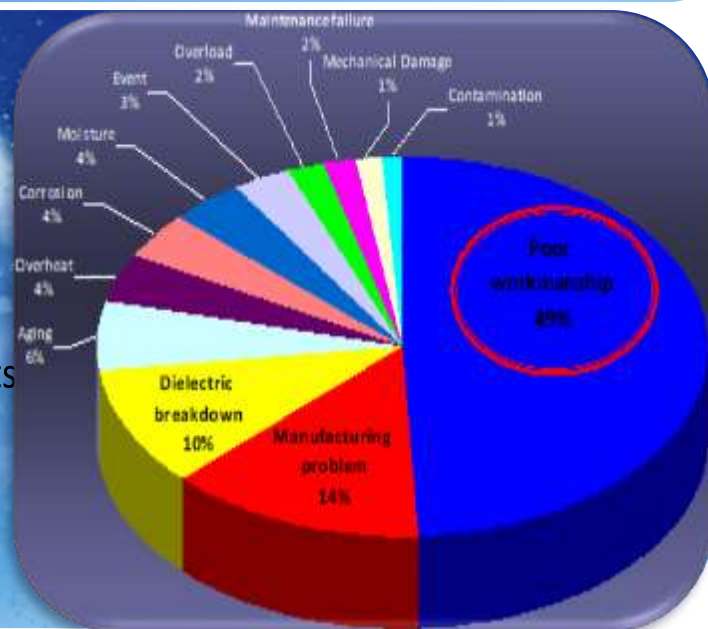


Product Range

Specialist and supplier of the cable range for mining, tunnelling, trailing, mining equipments

Percentage of failures of each components
43,2% Cable, 1,4 % Terminations and 55,4% Joints. Further:



Supply & Management of various Cables

EBG supplies robust Mining and Tunnelling Cables used to power, control and monitor mining and tunnelling equipment in mines and quarries. Only the best quality materials are selected for its manufacturing processes; testing performance and guaranteeing quality. Today the Group enjoys a reputation as one of the industry's most trusted suppliers

EBG is fast becoming a leading supplier of cables and cable accessories to the mining and tunnelling industry. Our cables solutions cover the full spectrum from cable specification and design, to complex logistics to ensure efficient on the shortest lead times in the industry.

EBG mining, drilling and tunnelling cables are designed to perform when exposed to some of the harshest elements on earth including ultraviolet (UV) light, salt-water submersion, oil and greases, as well as tensile stress and mechanical stresses. Their tough construction ensures the reliability of the equipment they supply, reducing the risk of failure and the corresponding disruption that is often costly and that can even compromise operational safety. Cables can be customised to include additional construction layers designed to prevent attack from rodents and termite – a fibre glass braid is particularly effective.

Medium Voltage .01

voltage power cables (N) TSCGEWOU according to standard VDE 0250 p.813 (as applicable) & HD 620 S2...

Special Cables / Reeling Cables - Tratosflex
Special Cables / Mining and Tunneling
Cables / Tratos AS/NZS Mining Cables



Flame Retardant according to IEC/EN 60332-1-2 .02

Halogen Free according to IEC/EN 60754-1/2

(N)3GHSSHCH - 8.7/15kV and 12/20kV Cables

Cable Range for various applications

Mining Cables

EBG Solution

1.1/1.1kV to 11/11kV General use power supply cable with three semiconductive screened power cores, three separate earth cores and one... Special Cables / Mining and Tunneling Cables / AS/NZS Mining Cables

Water & Marine Cable

Cable for Mining Application in Water for Power supply, e.g. for connection to dredgers, floating docks, pumps, etc... Special Cables / Mining and Tunneling Cables / TRATOS MTO VDE Cables

Rolling Stock cable specifications were studied in order to find cable that would be able to do vital work that is required. In particular, the following cables for railway application:

- 1.5mm² grey halogen free 500V
 - 2.5mm² grey halogen free 500V
 - 25mm² green grey halogen free 500V
 - 50mm² 3Kva red rubber insulated
- our cables are used extensively in railways

Flame Retardant

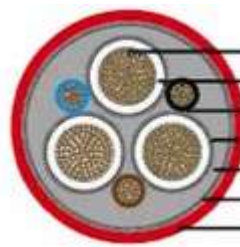
High voltage – Impregnated paper insulated – power cables based on AS/NZS 1972, (and AS/NZS 1026 as applicable) Non-draining mass-impregnated... Special Cables / Mining and Tunneling Cables / Tratos AS/NZS Mining Cables. Flame Retardant according to IEC/EN 60332-1-2 (N)SSHÖU O/J, (N)SSHÖU 3E, (N)SSHÖU 3E + ST 0.6/1kV Cable

Heavy duty tough rubber flexible cable with or without individually earth screened cores for dynamic or static applications in aggressive environments. Flame retardant, abrasion, cut, notch and tear resistant. Good resistance to oil and fats. Suitable for installation in dry, damp, wet and in hazardous environments. For power supplies where high levels of mechanical stress and abrasion are expected. Can be permanently submersed in fresh water, salt water, storm water, oily water and sewage contaminated water to a depth of 100 metres. Suitable for indoor and outdoor applications.

Our support and logistics to support your operations with Engineering, testing and commissioning is unwavering



Rolling Stock



- Stranded Copper Conductor
- 3GI3 Rubber Insulation
- Optional Pilot Cores
- Earth Conductor
- GM1b Inner Sheath
- Monitoring Conductor
- 5GM5 Rubber Outer Sheath



EBG Mining



EBG Mining



Cable Accessories for various applications



Lugs are made with high grade copper for crimping to copper or XLPE cables without any soldering required



High Connectivity Copper Pin Type Lugs



Mechanical lugs & Ferrules



With only four sizes available in the range the torque shears cover a wide range of conductor cross-sections from 25mm² to 630 mm²

» Installation requires no expensive crimping tools and a standard socket and wrench will be sufficient



The freely rotating captive cone provides an armoured clamp and earth bond without twisting the armouring of the cable

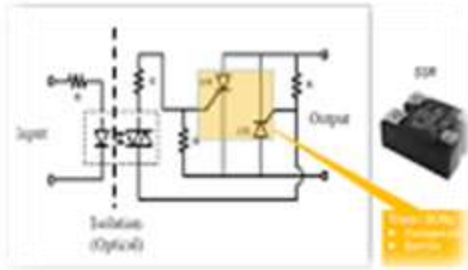
- Each gland is manufactured precisely from high quality brass (nickel plated)



The AC Axial (propeller) Fan provides a large constant flow and is used in applications where ventilation and cooling is essential



We provide one of the most comprehensive ranges of standard phase control thyristors in the industry. Devices with voltage ranges from 600V to 4500V are available, making them suitable for applications with line voltages from 230V to over 1000V (higher voltage applications are now served by our range of Medium Voltage Thyristors).



A silicon controlled rectifier (SCR) is a solid state switching device which can provide fast, infinitely variable proportional control of electric power.



Not only does this give maximum control of your heat process, but it can extend heater life many times over other control methods. Since the SCR is solid state, it can cycle on and off over a billion times, if properly used.



Bridge rectifiers consist of four diodes or thyristors that are arranged to convert AC supply voltage to DC. These rectifiers are available in both single and three phase and may be classified as full controlled, half controlled and uncontrolled



The Insulated Gate Bipolar Transistor or IGBT is a three-terminal power semiconductor device, noted for high efficiency and fast switching. The IGBT combines the simple gate-drive characteristics of the MOSFETs with the high current and low-saturation-voltage capability of bipolar transistors by combining an isolated gate FET for the control input, and a bipolar power transistor as a switch, in a single device



Having been originally designed for use in thyristor protection circuits, the HSW600 is most suitable where water cooling is available and space limited



Plate Rectifiers
Heat Sinks



Temperature switches are used in a variety of industrial and technical processes. If a preset temperature is reached, then the temperature switch opens or closes a corresponding switch contact



A single EZY Trigger unit replaces two pulse transformers, power supply and associated circuitry and may be connected directly to the output of microcontrollers, microprocessors, CPLDs and FPGAs.



High power capacitors are used in medium frequency induction heating electrical systems for power factor correction or to improve loop characteristics.

The electric heating capacitor is mainly composed of a core and a box shell and is filled with a high-quality impregnating agent, and the core is welded with a cooling water pipe for cooling the water supply container



Ethylene propylene thermosetting compound type RD 3 comply to SANS 1411-3

Type 41 is suitable for mining operations around the world. This cable is applied for permanent use in waste water and in industrial water up to 40°C at a depth of max. 2000 m. Typical applications include electrically driven machines, any movable electric apparatus in hazardous area, small pumps, drills and for shuttle cars.

The cable has high resistance against Ozone, U.V rays, oils, moisture and weather conditions. Suitable for use at an ambient temperature up to 90°C (120°C overload), thanks to the use of materials with temperature-index of 120 °C, determined according to Norm IEC 60216 (20,000 h and 50% of residual elongation). The estimated lifetime of these cables is at least 25 years.

Above all we subscribe to protect the environment with our product and supply of our solution, sustainability is one of core values

Cable Solution

EBG

Cape Town – Johannesburg - Durban

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0835642243