
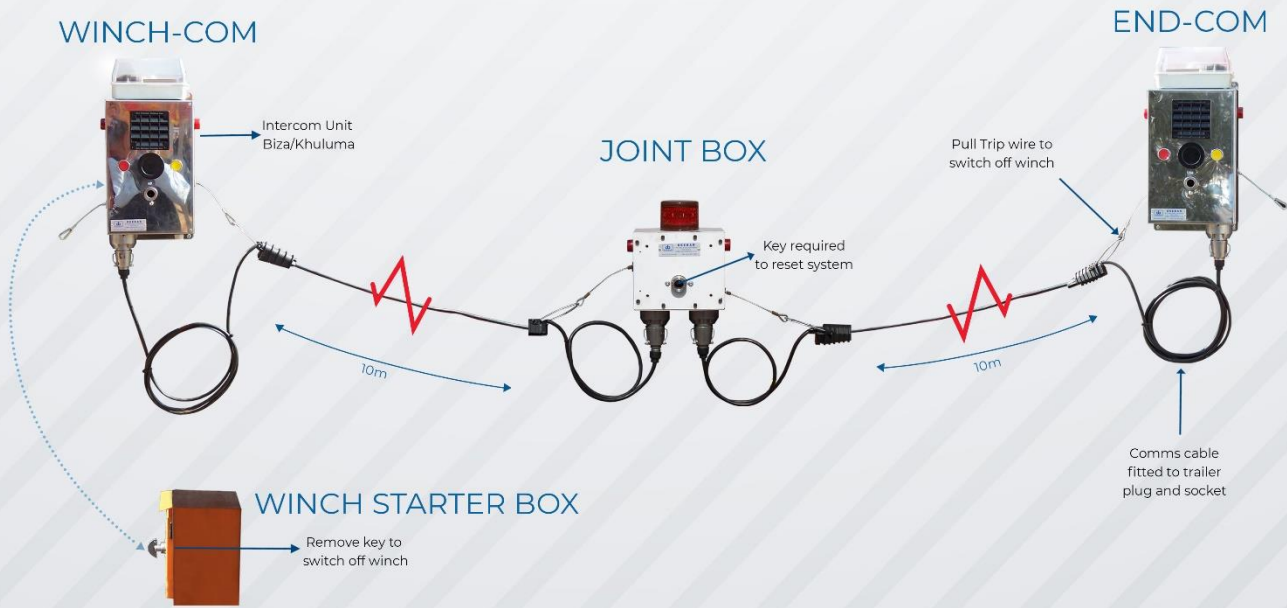


DEEBAR WINCH COMMUNICATION / TRIP SYSTEM



WINCH COMMUNICATION / TRIP SYSTEM

The Deebar winch communication trip system enhances safety and efficiency by integrating a winch control unit, communication system, and trip mechanisms. The winch control unit manages the tripping and indication of the winch motor, while the communication system ensures two-way communication between the operator and personnel in the gullies and stope. All winch operations will be halted when the trip wire (Steel wired armoured two pair, individually and overall screened cable) is pulled, under unsafe conditions.



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Product:

The Deebar winch communication system is a communication and tripping system between the winch driver and the people working in the stopes. It is connected to the existing winch starter and interlocked. A small wiring change is needed in the starter to enable it to trip the winch when needed.

The System:

The system consists of a special Wallcomm, complete with a PP key switch and dual pull switch to interlock with the winch starter, placed at the winch. An armoured two pair individually and overall screened cable which serves as a power, signalling and pull wire, is used between Wallcomms that can be spaced at 10m. A joint box can be used in between the Wallcomms to give extra length to the system. The cable is supplied in 10m lengths and fitted with

trailer mail plugs and with two female plugs (In and out) fitted to the Wallcomm unit. The cable will be supported with special cable clamps for extra support.



Functions of the Wallcomm at the Winch:

- Red flashing or rotating Beacon light on top of Wallcomm to indicate if system is activated.
- Speech and signalling facility to communicate with the driver
- PP key switch for interlocking and resetting when a unit was activated

Functions of the Wallcomm in the stope gully's:

- Bulk head light for visibility
- Speech and signalling facility
- PP key switch for interlocking and resetting when a unit was activated.

Operating procedure:

PP key needs to be inserted to unit installed at the winch to enable the winch driver to start the winch.

Any unsafe condition needs to be cleared before the winch can be started, in the event of any of the units being tripped because of an unsafe condition, the winch driver have to take the PP key and go and reset at the unit which was tripped to ensure him that all unsafe conditions was cleared.

Any amount of Wallcomms can be installed to cover the whole stope area.

The system is fully customisable on request.