ACCLES & SHELVOKE
CABLE SPIKER

- A high quality, durable safety tool
- Suitable for all cable designs
- Penetrates every form of normally applied cable coverings
- Easy to assemble and simple to operate
- Safest tool available for assured cable de-energization
- Employee safety achieved through positive remote operation
- Provides years of regular trouble-free usage

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CABLE JOINTS, CABLE TERMINATIONS, CABLE GLANDS, CABLE CLEATS
FEEDER PILLARS, FUSE LINKS, ARC FLASH, CABLE ROLLERS, CUT-OUTS

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ACCLES & SHELVOKE
CABLE SPIKER
FOR ELECTRIC POWER CABLES

A LIFE SAVER

SCOPE
When it is intended to work on any Electrical Power Cable, either for the purpose of carrying out repairs or for tapping or arranging additional feeders, it is vital that special precautions be taken to secure the safety of the employees.
After the cable has been made dead and connected to earth at the point of supply, the cable is cut, usually by means of hacksaw or cutters.

CRITERIA
It often happens that the cable to be cut is distant from the circuit disconnect, grouped with other cables and sometimes buried in the ground.
In order to avoid any possibility of a mistake and a "live" cable being cut, most authorities insist that a sequential rigid four step procedure be followed which requires the disconnection of power at both circuit ends, identification of cable markers, electronic instrumentation signal checks and finally cable mechanical spiking.
The authorities made the final step mandatory which requires that a wide iron spike be driven, either with a hammer or an extended stick into the cable intended to be cut before allowing further work to proceed.
If by any mischance a "live" cable is spiked, the resulting high magnitude short circuit current should trip out the feeder circuit breaker.

SAFETY CONSIDERATIONS
This method was somewhat crude and there is grave danger to the employee carrying out the spiking operation, owing to the sudden thrust of substantial electrical fault energy capable of exploding the cable and creating a high velocity deadly spray of conductor, shield and/or sheath metal fragments. Even the sight of a fault flashover could cause permanent blindness.

SAFETY FEATURES
In order to enable the spiking operation to be carried out in perfect safety, the Accles & Shelvoke CABLE SPIKER has the great advantage that it can be remotely controlled at the moment of firing by means of a lanyard (rope) release.
The operator can thus stand at a point of safety and if by chance a "live" cable is spiked, the damage will be local to the cable.

As the speed of penetration of the spiking punch is so rapid, it has been found in practice that even if a "live" cable is spiked, usually no damage to the cable spiker results. If however, the fault current happens to be extremely high, it may be that the actual spiking punch itself may suffer, but yet be capable of tripping a normally operating breaker.

This punch, is of course, easily replaceable and a spare can be fitted in a matter of seconds.

An added feature of the CABLE SPIKER is that the wide punch shears the cable partially or totally, depending on the cable size, hence reducing additional cable cutting effort.

APPLICATIONS
The CABLE SPIKER is suitable for use with all types and voltages of power cable including single and multiple conductor laminated, polymeric, elastomeric, unshielded, shielded, concentric neutral, interlock armoured, steel wire armoured, leaded covered etc., designs in either fixed or portable installations.

PREVENTS ACCIDENTS
The CABLE SPIKER is a quality durable tool designed to positively electrically ground out any required power cable for definite manpower accident prevention and life saving.