



SPCCS80SI

Power cables spiking and cutting tool ultrasafe range



USE

Ultra safe integrated electrohydraulic cable cutters without hydraulic hose, remotely controlled, to check absence of voltage on underground power cables. Use on the following cables:

Outside diameter	Total conductor cross section		Steel strip armor	Flat wire steel armor only
Up to 80 mm	From 6 mm ² up to 600mm ²		Thickness up to 1 mm	Thickness up to 1 mm

ADVANTAGES

- Safety power cable cutter to check absence of voltage on underground cables
- Maximum transited short-circuit current (Ph-G): 9kA/1s or 13kA/0.5s.
- Remote-controlled from a distance up to 25m to protect the user and third parties from the effects of a live cut. Remote controller or Androïd app on smartphones.
- Energy via standard battery 18 V 2 Ah protected with steel protector.
- Rugged and light, hardened steel blades.
- Compact integrated electro-hydraulic unit with automatic double speeds (fast approach / work).
- Eliminates the risks of injuries due to hydraulic hose punctures and saves its related maintenance costs.
- The pick creates a phase-to-earth fault on one of the 3 phases cut simultaneously. Avoids short circuits between phases generating more damage to the installations (for HV cables).
- Eliminates the need of cartridge powered or manual cable spikers prior the cutting operation.
- Rugged carry bag with storage pocket.

Document subject to changes without notice



THORNE & DERRICK
INTERNATIONAL

Thorne & Derrick
+44 (0) 191 410 4292
www.powerandcables.com





MAIN TECHNICAL CHARACTERISTICS



SPCC80SI



SPCCS80SI

Characteristics of cables to be cut:

- Copper conductors	Ø 80 mm	Ø 80 mm
- Aluminium conductors	Ø 80 mm	Ø 80 mm
- Round wire armour (diameter)	N	N
- Flat wire armour (thickness)	1mm	1mm
- Strip armour (thickness)	1mm	1mm

Fault following network protection:

- Fuses	Three-phase fault	Three-phase fault
- Circuit breaker	Three-phase fault	Single phase fault

Earthing cables:

- SCI 7,5kA.1s or 10,5kA.0,5s (section mm²)	50 Al 2m	50 Al 2m
- SCI 9kA.1s or 13kA.0,5s (section mm²)	35 Cu 2m	35 Cu 3m

Cutting head:

- Maximum cutting diameter (mm)	80	80
- Weight without earthing cable (kg)	4,5	4,5
- Weight with earthing cable and battery (kg)	8	8
- Dimensions (mm)	555x115x180	555x115x180
- Cutting blade hardness (Hrc)	55	55
- Anti-corrosion treatment of the blades	Oil hardened	Oil hardened
- Replaceable pick	-	N
- Pick hardness (Hrc)	55	55
- Cutting force (ton)	7,5	7,5
- Number of cut on 3 x 150mm²+ N	55	55

Integrated electro-hydraulic pump:

- Hydraulic pressure (bar)	700	700
- Interchangeable battery (BOSCH)	18v 2Ah	18v 2Ah
- Blade reopening	Decompression button + spring return	Decompression button + spring return
- Oil volume (cm³)	48	48

Remote control :

- Indicative transmission distance / battery	25m / CR2032
- Radio frequency	Bluetooth 2,4 GHz (Smartphone possible - App Android)
- Indicator lights (flashing / fixed)	Left green LED (cut indication) Right green LED (connexion status with tool)

Packaging / miscellaneous:

- Total weight in soft case (kg)	13,5	13,5
- Dimensions in soft case (mm)	750x150x190	750x150x190
- Operating temperature (°C)	-20/50	-20/50

Document subject to changes without notice



**THORNE &
DERRICK
INTERNATIONAL**

Thorne & Derrick
+44 (0) 191 410 4292
www.powerandcables.com



ELECTRICAL SAFETY PRODUCTS



COMPONANTS & ACCESSORIES

SPCC(S)80SI



Réf : SPCCS 80 SI-I

Earth stake



Réf : PIQTER500

Copper earthing cable with clamping vice



Réf : MALT-CU-35-030

Remote controller



Réf :PHE71-RADIO-TEL

Battery 2Ah



Réf : BATT-18V002-01

Battery Charger



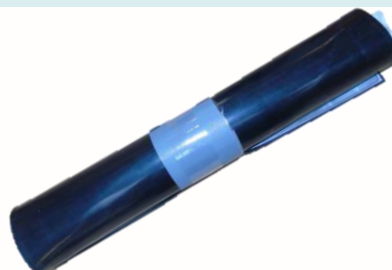
Réf :CHARG-LI-ION-18-01

Carry bag SPCCS80SI



Réf : EASYBAG-P80-FAE

Explosion-proof tarpaulin



Réf : BACHE-PICOU

Battery protector



Réf :PCCH80-11-K

Strap



Réf : SANGLE2B

Aluminium earthing cable with clamping vice



Réf : MALT-AL-50-030

Document subject to changes without notice



THORNE &
DERRICK
INTERNATIONAL

Thorne & Derrick
+44 (0) 191 410 4292
www.powerandcables.com

Division
ESP
ELECTRICAL SAFETY PRODUCTS



➤ VERSIONS

- SPCCS80SI : electro-hydraulic safety **Spiker** and cutter for LV power cables, **tripolar HV cables** and unipolar HV cables.
- SPCC80SI : electro-hydraulic safety and cutter for LV power cables and unipolar HV cables.

➤ STANDARD COMPOSITION. Included in the part number:

- 1 Hydraulic tool
- 1 Battery protector
- 1 Earthing stake
- 1 aluminium earthing cable 50mm² (2m)
- 1 clamping vice
- 1 Remote controller
- 1 Battery 18V 2Ah Li-Ion
- 1 Battery charger
- 1 Carry bag
- 1 User's manual
- 1 Technical guide

➤ OPTIONS to add to your purchase order:

- Strap (2m)
- Copper earthing cable 35mm² (2m) (instead of the aluminium one)
- Explosion-proof tarpaulin
- Second battery

NOTE : longer earthing cables are available on request

Document subject to changes without notice



THORNE &
DERRICK
INTERNATIONAL

Thorne & Derrick
+44 (0) 191 410 4292
www.powerandcables.com

