



POWER CABLE CUTTERS

SAFETY MANUAL RANGE



USE

Manual hydraulic cables cutters to check absence of voltage on underground power cables.
Use on the following cables:

Outside diameter	Total conductor cross section	Round wire steel armour	Steel strip armour	Flat wire steel armour
Up to 120 mm	From 6mm ² to 630 mm ²	Up to Ø 2 mm	Thickness up to 2 mm	Thickness up to 2 mm

ADVANTAGES

- Cable cutter to verify absence of voltage.
- Maximum conducted short-circuit current: up to 14kA/1s (or 20kA/0.5s) phase to ground.
- EN50340 certified version available.
- Grounding of the cutting head and / or foot pump.
- Eliminates the need of cartridge powered or manual cable spikers prior the cutting operation.
- Without external energy.
- Robust & light, aluminum structure and treated steel blades.
- Aluminum earthing cables for easy transport.
- Foot pump with large base designed for field works.
- Hydraulic hose 700 bar insulation up to 60kV certified, flexible, kevlar reinforced with anti-pinch sleeves.
- 3 cutting heads 80, 100 and 120 mm interchangeable with the pump, integrated carrying handles, balanced weight.
- Quick connection couplings with captive dust caps.
- Sturdy transport bags with wide shoulder straps and storage pockets or hard case with wheels.

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MAIN

TECHNICAL CHARACTERISTICS



SPCC80NMB

SPCC100SMB

SPCC120WMB

SPCC80WMB

SPCC100WMB

SPCC120WMB

Characteristics of cables to be cut:

- Copper conductors	Y	Y	Y	Y	Y	Y
- Aluminum conductors	Y	Y	Y	Y	Y	Y
- Round wire armour (diameter)	N	1mm	2mm	N	1mm	2mm
- Flat wire armour (thickness)	N	1mm	2mm	N	1mm	2mm
- Strip armour (thickness)	N	1mm	2mm	N	1mm	2mm

Fault following network protection:

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

Earthing cables:

- SCI 13kA/0.5s - 9kA/1s (section mm ²) on blades	35 Cu	35 Cu	35 Cu	70 Al	70 Al	95 Al
- SCI 20kA/0.5s - 14kA/1s (section mm ²) on blades	/	/	/	95 Al	95 Al	95 Al
- Pump earthing (section mm ²)	16 Cu	16 Cu	16 Cu	35 Al	35 Al	35 Al

Cutting head:

- Maximum cutting diameter (mm)	80	100	120	80	100	120
- Weight (kg)	8.5	9.5	9.5	8.5	9.5	9.5
- Dimensions (cm)	42x9x22	44x9x25	58x9x18	42x9x22	44x9x25	58x9x18
- Cutting blade hardness (Hrc)	45	50	50	45	50	50
- Anti-corrosion treatment of the blades	Oil hardened	Zinc plating	Oil hardened	Oil hardened	Zinc plating	Oil hardened
- Main material	Steel	Steel	Steel	Steel	Steel	Steel

Foot pump:

- Force at the end of the lever (Kg)	40	40	40	32	32	32
- Weight (kg)	10	10	10	8	8	8
- Certified	Y	Y	Y	N	N	N
- 2-speed pump: cm ³ / stroke (approach / cut)	17 / 1.7	17 / 1.7	17 / 1.7	20 / 2	20 / 2	20 / 2
- Pressure gauge	Y	Y	Y	Y	Y	Y
- Blade reopening lever	Y	Y	Y	Y	Y	Y
- Oil volume (ml)	900ml	900ml	900ml	1,000ml	1,000ml	1,000ml

Hydraulic power:

- Hydraulic pressure (bar)	700	700	700	700	700	700
- Cutting force (ton)	8	9.6	13	8	9.6	13
- Coupler connection	Y	Y	Y	Y	Y	Y
- Rotary adapter	Y	Y	Y	Y	Y	Y
- Fixed adapter	N	N	N	Y	Y	Y
- Type Mechanical hose with metal reinforcement	N	N	N	N	N	N
- Type Insulating hose with Kevlar reinforcement	Y	Y	Y	Y	Y	Y

Hydraulic couplers:

- Couplers CEJN 115	Y	Y	Y	Y	Y	Y
- Couplers CEJN 117	Y	Y	Y	Y	Y	Y
- Couplers EDF	Y	Y	Y	Y	Y	Y

Packaging / miscellaneous:

- Hard case with wheels	Y	Y	Y	Y	Y	Y
- Transport bags (cutting head / pump)	2 bags	2 bags	2 bags	2 bags	2 bags	2 bags
- Operating temperature (°C)	-20/50	-20/50	-20/50	-20/50	-20/50	-20/50
- Total weight with 5m hose in transport bags (kg)	12.5+14	12.5+15	12.5+15	10.5+14	10.5+15	10.5+15
- Total dimensions in transport bags (cm)	73x45x40	73x45x40	73x45x40	73x45x40	73x45x40	73x45x40

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ELECTRICAL SAFETY PRODUCTS



COMPONENTS AND ACCESSORIES

Cutting head 80 mm	Cutting head 100 mm	Cutting head 120 mm
		
Ref: XC80N-S	Ref: XC100S-S	Ref: XC120W-S
Foot pump	Foot pump certified	Insulating hydraulic hose
		
Ref: PH700-S	Ref: PH700-C-S	Ref: FHI
Couplers 115	Couplers 117	EDF couplers
		
Ref: CM5 /CF5	Ref: CM7/CF7	Ref: CME/CFE
Earthing cables	Earth stake in T	Earth stake
		
Ref: MALT-AL/CU-XX-T/P	Ref: PIQTER-500-T	Ref: PIQTER-500

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Cutting head waterproof tarpaulin transport bag	Foot pump waterproof tarpaulin Transport bag	Hard case with wheels
		
Ref: EASYBAGXC	Ref: EASYBAGPH	Ref: EASYCASE

COMPOSE YOUR SUB-ASSEMBLIES

To order 1 sub-assembly, associate the type of couplers required with its reference. Examples :

- Cutting head XC80N-S + (male as a standard) coupler CEJN 115 = XC80N-S-M5
- Insulating hose of 5m length FHM050 + couplers CEJN 117 = FHM050-7
- Foot pump PH700-S + (Female as a standard) EDF coupler = PH700-S-FE

XC100 cutting blades protection



Ref: TCC100-HOUSSE

COMPOSE YOUR SPCCM CABLE CUTTERS SETS

Cutting head	Pump	Hydraulic hose	Couplers	Packaging
XC80N-S	PH700-S	FHI015 (l=1.5m)	CEJN 115 (M5 / F5)	B (Waterproof bags)
		FHI030 (l=3m)		
XC100S-S	PH700-C-S	FHI050 (l=5m)	CEJN 117 (M7 / F7)	C (Hard case with wheels)
XC120W-S		FHI100 (l=10m)	EDF (ME / FE)	

COMPLETE PRE-COMPOSED SETS

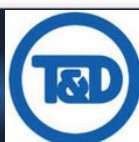
Reference	Cutting head	Pump	Hydraulic hose	Packaging
SPCC80NM-030-5B	XC80N-S-M5	PH700-S-F5	FHI030-5	B (Bag x 2)
SPCC100SM-050-5B	XC100S-S-M5	PH700-S-F5	FHI050-5	B (Bag x 2)
SPCC100SM-100-5C	XC100S-S-M5	PH700-S-F5	FHI100-5	C (Hard case w/ wheels)
SPCC80NMC-030-5B	XC80N-S-M5	PH700C-S-F5	FHI030-5	B (Bag x 2)
SPCC100SMC-050-5B	XC100S-S-M5	PH700C-S-F5	FHI050-5	B (Bag x 2)
SPCC100SMC-100-5C	XC100S-S-M5	PH700C-S-F5	FHI100-5	C (Hard case w/ wheels)

Earthing length:

EN 50340 certified version: 5 meters copper on the cutting blades and 1 meter on the foot pump

Non-certified versions: 3 meters aluminum on the cutting blades and 1 meter on the foot pump.

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