Kabellægningsudstyr



Cable roller (standard)
galvanized running in dust and water proof bearings.

Load:	250 kg
max. Cable-Ø	155 mm
Weight:	4,2 kg
Order No.	**009.402.00**



Cable roller (wide)
galvanized running in dust and water proof bearings

Load:	250 kg	
max. Cable-Ø	200 mm	280 mm
Weight:	5,0 kg	6,8 kg
Order No.	**009.402.55**	**009.402.60**



Cable roller with ground plate (standard)
galvanized

Load:	250 kg
max. Cable-Ø	155 mm
Weight:	4,5 kg
Order No.	**009.403.00**

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Kabellægningsudstyr

Cable roller
made of PVC.

Load:	250 kg
max. Cable-Ø	155 mm
Weight:	3,6 kg
Order No.	**009.402.10**



Spare roller
for (standard) cable laying and angle roller with bearings and axle, galvanized.

Weight:	1,7 kg
Order No.	**009.401.01**



Tube roller with base plate
galvanized, for welding of single lengths and inserting inliners of 300 mm diameter.

Load:	300 kg
Weight:	4,0 kg
Order No.	**009.100.00**



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Kabellægningsudstyr





Corner roller with plug-in hinges (standard)
galvanized, running in dust and water proof bearings.

Load per roller:	250 kg
max. Cable-Ø	110 mm
Weight:	13,5 kg
Order No.	**009.404.00**

Accessory: Earth nails, galvanized (w. ill.)

Weight:	1,4 kg
Order No.	**009.405.00**



Corner roller with plug-in hinges (wide)
galvanized, running in dust and water proof bearings.

Load per roller:	250 kg	250 kg
max. Cable-Ø	160 mm	240 mm
Weight:	13,6 kg	16,0 kg
Order No.	**009.404.20**	**009.404.50**

Accessory: Earth nails, galvanized (w. ill.)

Gewicht:	1,4 kg
Bestell-Nr.	**009.405.00**

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Kabellægningsudstyr

Heavy-duty roller
galvanized, running in dust and water proof bearings.

Load:	350 kg
max. Cable-Ø	200 mm
Weight:	17,0 kg
Order No.	**009.408.20**



Heavy-duty corner roller
galvanized, running in dust and water proof bearings.

Load:	800 kg
max. Cable-Ø	170 mm
Weight:	40 kg
Order No.	**009.408.50**



Accessory: Earth nails, galvanized (w. ill.)

Weight:	1,4 kg
Order No.	**009.405.00**

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Kabellægningsudstyr



Cable guide and run-off frame

galvanized.

This device is placed just behind the cable drum.

Load:	200 kg
Weight:	15 kg
Order No.	**009.409.00**

Reinforced version

for laying of heavy cable and tube diam. > 300 mm

Load:	500 kg
Weight:	20 kg
Order No.	**009.409.10**



Reeling rails with fixing bar

Distance between rails is adjustable to different cable drum widths. Securing of the drum by locking of rollers.

Drum-ø (mm)	Load (kg)	Max. Drum Width (mm)	Weight/Pair (kg)	**Order No.**
350 - 1000	1000	800	31	**009.676.00**
500 - 1400	1500	900	33	**009.676.10**
500 - 1800	2000	1990	53	**009.676.20**
500 - 2800	2000	1990	86	**009.676.40**

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Kabellægningsudstyr

Hydraulic lifting jacks for cable drums

galvanized with plug-in cable drum claws, mobile version
Fig.: Hydr. lifting jacks and steel shaft with sliding bearings and fixing clamps.



Drum-ø	Load / pair	Weight	**Order-No.**
900-2200 mm	6 t	50 kg	**009.413.00**
900-3200 mm	10 t	96 kg	**009.414.00**
900-3200 mm	20 t	102 kg	**009.415.00**

Mechanical lifting jacks

mobile version with turnable head and adjustable drum claw, safety crank and folding handle.



Drum-ø	Load / pair	Weight	**Order-No.**
700-2600 mm	6 t	64 kg	**009.661.00**
700-3000 mm	10 t	70 kg	**009.662.00**
700-3000 mm	20 t	88 kg	**009.663.00**

Steel shaft for cable drums

with lathed bearing point

H = hollow shaft, V = solid shaft (for hydraulic lifting jacks only)



Dimensions		Weight	**Order No.**
Ø 50 x 1500 mm	V	23.1 kg	**009.420.00**
Ø 60 x 1500 mm	V	33.3 kg	**009.421.00**
Ø 76 x 1800 mm	H	50.0 kg	**009.423.00**
Ø 76 x 2000 mm	H	58.0 kg	**009.424.00**
Ø 76 x 2200 mm	H	66.0 kg	**009.425.00**
Ø 89 x 2200 mm	H	82.0 kg	**009.426.00**
Ø 102 x 2200 mm	H	141.1 kg	**009.427.00**
Ø 102 x 2500 mm	H	160.3 kg	**009.428.00**
Ø 122 x 3200 mm	H	250.0 kg	**029.428.00**

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Kabellægningsudstyr



Steel shaft for cable drums

with sliding bearings and lathed bearing points
H= hollow shaft, V= solid shaft (for hydraulic lifting jacks only)

Dimensions		Weight	Order No.
Ø 50 x 1500 mm	V	23.1 kg	**009.420.01**
Ø 60 x 1500 mm	V	33.3 kg	**009.421.01**
Ø 76 x 1800 mm	H	50.0 kg	**009.423.01**
Ø 76 x 2000 mm	H	58.0 kg	**009.424.01**
Ø 76 x 2200 mm	H	66.0 kg	**009.425.01**
Ø 89 x 2200 mm	H	82.0 kg	**009.426.01**
Ø 102 x 2200 mm	H	141.1 kg	**009.427.01**



Aluminium shaft for cable drums

with lathed bearing points
H = hollow shaft, V = solid shaft (for hydraulic lifting jacks only)

Dimensions		Weight	Order-No.
Ø 60 x 1500 mm	V	11.9 kg	**009.421.20**
Ø 60 x 1800 mm	V	14.3 kg	**009.421.22**
Ø 75 x 1800 mm	H	22.3 kg	**009.423.20**
Ø 75 x 2000 mm	H	24.8 kg	**009.424.20**
Ø 75 x 2200 mm	H	27.3 kg	**009.425.20**
Ø 90 x 1800 mm	H	32.1 kg	**009.426.20**
Ø 90 x 2000 mm	H	35.7 kg	**009.426.30**
Ø 90 x 2200 mm	H	39.2 kg	**009.426.40**



Aluminium shaft for cable drums

with sliding bearings and with lathed bearing points
H = hollow shaft, V = solid shaft (for hydraulic lifting jacks only)

Dimensions		Weight	Order-No.
Ø 60 x 1500 mm	V	16.0 kg	**009.421.21**
Ø 60 x 1800 mm	V	18.7 kg	**009.421.23**
Ø 75 x 1800 mm	H	25.8 kg	**009.423.22**
Ø 75 x 2000 mm	H	28.3 kg	**009.424.21**
Ø 75 x 2200 mm	H	30.8 kg	**009.425.21**
Ø 90 x 1800 mm	H	34.5 kg	**009.426.21**
Ø 90 x 2000 mm	H	38.1 kg	**009.426.31**
Ø 90 x 2200 mm	H	41.7 kg	**009.426.41**

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Kabellægningsudstyr

Hydraulic lifting jacks
galvanized with centralized drum axle claws

Drum-Ø:	3500 - 5000 mm
Load/pair:	60 t
Weight:	300 Kg
Order-No.	**029.700.00**

Dimensions, LxWxH: 1980 mm x 935 mm x 2676 mm



Steel shaft for 029.700.00
with lathed bearing point

Dimensions mm	Weight kg		Order-No.
Ø 114 x 3300	230	sliding bearing	**029.059.11**
Ø 127 x 2500	206		**009.429.00**
Ø 127 x 3200	200		**029.016.10**
Ø 127 x 3300	210		**029.080.00**
Ø 133 x 2980	276	sliding bearing	**029.016.00**
Ø 140 x 3350	318	sliding bearing	**029.015.00**
Ø 140 x 3610	332	sliding bearing	**029.015.20**
Ø 140 x 3810	375	sliding bearing	**029.015.21**
Ø 194 x 4150	410	sliding bearing	**029.016.01**



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Kabellægningsudstyr



Drum bracketry, height adjustable
galvanized, to transport by forklift

Drum-Ø:	2300 - 3900 mm
Load:	2700 kg
Weight:	390 kg
Order-No.	**029.600.01**

Dimensions, LxWxH:
2500 mm x 1950 mm x 2032 mm



Drum bracketry, height adjustable
galvanized

Drum-Ø:	2600 - 3900 mm
Load:	2700 kg
Weight:	236 kg
Order-No.	**029.600.00**

Dimensions, LxWxH: 2500 mm x 1950 mm x 2032 mm

Drum brake, steel shaft and centering cones are not included.

Steel shaft for 029.600.00 and 009.600.01
with lathed bearing point.

Dimensions mm	Weight kg		Order-No.
Ø 60 x 2000	28		**008.042.02**
Ø 70 x 2000	29		**008.042.00**
Ø 70 x 2039	37	sliding bearing	**029.002.00**
Ø 75 x 2039	25	sliding bearing, Alu	**029.002.20**
Ø 76 x 2000	43		**029.048.00**



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Kabellægningsudstyr



Drum bracketry
galvanized.

Drum-Ø:	3200 mm
Load:	6000 kg
Weight:	390 kg
Order-No.	**029.680.00**

Dimensions, LxWxH: 2500 mm x 2120 mm x 1740 mm

Steel shaft and fixing clamps are not included in the scope of delivery.

Shafts for 029.680.00
with lathed bearing points.

Diameter mm	Weight kg		Order-No.
Ø 76	49		**028.283.00**
Ø 89	67		**009.153.02**
Ø 76	51	plain bearings	**009.150.11**
Ø 89	69	plain bearings	**028.286.12**
Ø 75	25	Alu, plain bearings	**009.153.01**
Ø 90	32	Alu, plain bearings	**029.032.00**



Mechanical drum brake
galvanized, steel shaft with plain bearings and centering cones.

Order-No. **008.480.01**



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Kabellægningsudstyr



Centering cones
galvanized

Shaft-Ø	Bore-Ø	Weight	Order No.
75 - 76 mm	95-145 mm	6 kg	**009.683.00**
90 mm	115-165 mm	9 kg	**009.684.00**



Fixing clamps for steel shafts
galvanized

Dimensions	Weight	Order-No.
Ø 45 – 51 mm	1.5 kg	**009.435.00**
Ø 50 – 60 mm	1.6 kg	**009.436.00**
Ø 65 – 76 mm	2.0 kg	**009.437.00**
Ø 80 – 95 mm	2.1 kg	**009.438.00**
Ø 100 – 115 mm	2.3 kg	**009.439.00**
Ø 117 – 127 mm	5.0 kg	**009.439.50**



Fixing clamps for aluminium shafts
galvanized

Dimensions	Weight	Order-No.
Ø 45 mm	1.5 kg	**009.430.00**
Ø 60 mm	1.6 kg	**009.431.01**
Ø 75 mm	3.6 kg	**009.432.00**
Ø 90 mm	4.5 kg	**009.433.00**
Ø 105 mm	5.0 kg	**009.434.00**

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Kabellægningsudstyr

Length measuring device with spoked wheel
precision measurement with zero-reset

Measuring range: 9999,99 m
Weight: 3,2 kg
Order-No. **009.119.00**

Transport bag (without Illustr.)

Order-No. **009.119.10**



Length measuring device
precision measurement with zero-reset

Measuring range: 9999,99 m
Weight: 5,5 kg
Order-No. **009.120.00**

Accessory for rail measurement (without Illustr.)

Order-No. **009.120.10**

Double-wheeled length measuring device
(without Illustr.) with zero-reset

Measuring range: 9999,99 m
Weight: 1,8 kg
Order-No. **009.121.00**

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Kabellægningsudstyr



The KSP 80 pulls cable rests from a submarine cable ship and rewinds it directly on cable drums of up to 80,000 kg total weight. The drums get tensed up by the drive rollers. A tensile and braking force of up to 110 kN depending on the drum diameter.

The winding and rewinding speed is regulated steplessly between 0 up to 25 m/min. What means that cables can be rewinded even in steep trails.

Application fields:

- Laying of submarine cables
- Connection of wind parks
- Cable laying in steep trails



S. Tygesen Energi A/s

Leverandør til energi- entreprenør og telesektoren

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Kabellægningsudstyr

Layered Arrangement:
A remote control with potentiometer controls the drive rollers and the layered arrangement.



Control of the Cable Rewinding Unit:
The remote control regulates speed and direction oft he drum and the layered arrangement. Therefore the operator is out of the danger zone and at the same time flexible to supervise the rewinding.



External Hydraulic Aggregate BHA 22060:
For powering the cable rewinding unit an external hydraulic aggregate is to be used.

The BHA 22060 is sound insulated and to be positioned in sufficient distance.

Design flow rate: 60 l/min
Design pressure: 220 bar
Max. pressure: 250 bar



Hydraulic Control:
The gauges indicate the locking and drum drive pressure.
They inform permanently about the current pressures and how much reserves are remaining.
Especially for the winding these information are crucial.



Type	Load kg	Weight kg	Drum-Ø mm	Max.Drum Width mm	Length mm	Width mm	Height mm	Order-No.
KSP 80	80000	8600	2500 - 5000	6000	9000	3572	2000	**029.400.00**
Layered A.	-	2000			9524	2124	3000	**029.430.00**
BHA 22060	-	990			1520	920	1620	**010.170.00**

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Kabellægningsudstyr



Cable and wire measuring device:

Measuring range Ø Cable	Ø Wire	Weight	Order-No.
3 - 21 mm	-	1.3 kg	**009.122.00**
3 - 50 mm	-	1.8 kg	**009.122.10**
3 - 21 mm	3 - 12 mm	1.3 kg	**009.123.00**
3 - 50 mm	3 - 22 mm	1.8 kg	**009.123.10**



Protection roller for installed cable

galvanized.

Weight: 10 kg
Adjustable from: 380 - 750 mm
Order-No. **009.407.00**



Protection roller for installed cable, double version

galvanized.

Weight: 12 kg
Adjustable from: 380 - 750 mm
Order-No. **009.408.00**



Manhole tension roller

suitable for any cable tube manhole.

Weight: 16 kg
Adjustable from: 1020 - 1650 mm
Order-No. **009.406.00**

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Kabellægningsudstyr



Cable inserting device, galvanized

Tube-Ø	Weight	Order-No.
49 mm	1,0 kg	**009.519.00**
79 mm	1,5 kg	**009.520.00**
98 mm	2,5 kg	**009.521.00**
115 mm	3,0 kg	**009.522.00**
135 mm	4,0 kg	**009.522.50**
148 mm	4,5 kg	**009.523.00**
198 mm	5,0 kg	**009.524.00**
248 mm	6,0 kg	**009.525.00**
295 mm	7,0 kg	**009.526.00**



Cable inserting device, divided, with protection rollers, galvanized

Tube-Ø	Weight	Order-No.
92 mm	6,0 kg	**009.527.50**
98 mm	6,5 kg	**009.528.00**
108 mm	7,0 kg	**009.528.10**
118 mm	8,0 kg	**009.529.00**
138 mm	9,0 kg	**009.529.50**
148 mm	9,9 kg	**009.530.00**
198 mm	13,5 kg	**009.530.10**
213 mm	14,5 kg	**009.530.50**
262 mm	17,0 kg	**009.530.24**

Cable guiding roller
galvanized, max. Cable-Ø 230mm

Order No. **009.589.00**



Basis for Cable guiding roller
galvanzied (without illustration)

Order No. **009.589.07**

Braces	Span range	Order-No.
	1200 – 2000 mm	**133.600.00**
	1460 – 2500 mm	**133.601.00**
	2300 – 4100 mm	**133.602.00**



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Kabellægningsudstyr



Collapsible Shelter - Gable Form

for welding of PE-pipes or cable connecting

Material:	PVC coated
Spec. properties:	fire resistant
Colour:	white/yellow

Length	Width	Height	Weight	Order No.
1800mm	1800mm	1700mm	9.5 kg	**009.665.92**
2500mm	2000mm	1900mm	13.7 kg	**009.665.94**

- Mounted within 1 minute by 1 person, no waste of time!
- Fibreglass construction is fixed on the coat. No loss or mix of single rods possible!

- Transport bag is included



Vertical-sited tent

For working on service cabinets and protection for external operating stands in pipe laying business.

Material:	PVC coated
Spec. properties:	fire resistant
Colour:	white/yellow

Length	Width	Height	Weight	Order No.
1800mm	1800mm	2000mm	13.9 kg	**009.665.98**
2500mm	2500mm	2000mm	18.7 kg	**009.665.99**

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Kabellægningsudstyr

Wireman's tent

Material: PVC-coated material, non-rotting canvas and fire resistant, with tent frame,
Colour: PVC = white, canvas = stone-grey / olive

Length x Width x Height mm	Weight	**Order-No.**
2000 x 2000 x 2000	24 kg	**009.665.00**
2500 x 2500 x 1900	27 kg	**009.665.10**
3000 x 2500 x 1900	30 kg	**009.665.20**

Other sizes on request



Welding and jointing screen

Material: canvas, water-repellent, anti-fouling, fire resistant.
Colour: olive-black

Diameter	Weight	**Order-No.**
2000 mm	3.5 kg	**009.666.00**
2500 mm	9.5 kg	**009.667.00**



Cable bundling trestle

galvanized, for simultaneous laying of three single electric cables

Design with wooden panel:
Order-No. 009.496.00

Design with rollers on both sides:
Order-No. 009.496.50

Length	Width	Height	Weight
1140mm	650mm	1270mm	50 kg



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Kabellægningsudstyr



Cable line warning strip, made of PVC
non-aging, temperature resistant, colour-fast, wiping resistant

Strip width:	40 mm (other widths on request)
Strip length:	250 m/roll
Weight:	0.9 kg
Standard colour:	yellow
Print: e.g.:	"Attention Telephone Cable" "Attention Gas Pipe"
Order-No.	**009.670.00**

Other colours upon request: blue, red, green
Other prints on request



Uncoiling device for cable line warning strips
for strip width 40 mm

Weight:	0.7 kg
Order-No.	**009.668.00**



Barricading strip, made of PVC
with red-white section lines, extremely resistant

Strip width:	80 mm
Strip length:	500 m/roll
Weight:	1.3 kg
Order-No.	**009.669.00**

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Kabellægningsudstyr

Cable cutter- ratchet type

Max. Cable-Ø	Weight	**Order-No.**
32 mm	0.6 kg	**009.680.00**
52 mm	0.8 kg	**009.681.00**



Cable shears, ratched-type

For cutting PVC-, leaden or rubber sheathed cable with AL- and CU-conductors

Max. Cable-Ø	100 mm
Weight:	5.5 kg
Order-No.	**009.682.00**



Hand cable shears

Max. Cable-Ø	15 mm
Weight:	0.55 kg
	009.126.00



Hand cable shears

Max. Cable-Ø	26 mm
Weight:	1.8 kg
	009.127.00



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Kabellægningsudstyr



Hand cable shears

Max. cable dia.:	38 mm
Weight:	4.2 kg
Order-No.	**009.128.00**



Tube cutter

Max. Tube-Ø	Weight	**Order-No.**
25mm	0.3 kg	**009.685.00**
42mm	0.4 kg	**009.686.00**
60mm	1.1 kg	**009.687.00**



Hydraulic hand cable shears

Max. cable dia.:	85 mm
Weight:	7.3 kg
Order-No.	**009.130.00**



Hydraulic cable shears with foot-pump

Max. cable dia.:	120 mm
Weight:	22.6 kg
Order-No.	**009.132.00**

also deliverable with safety cage

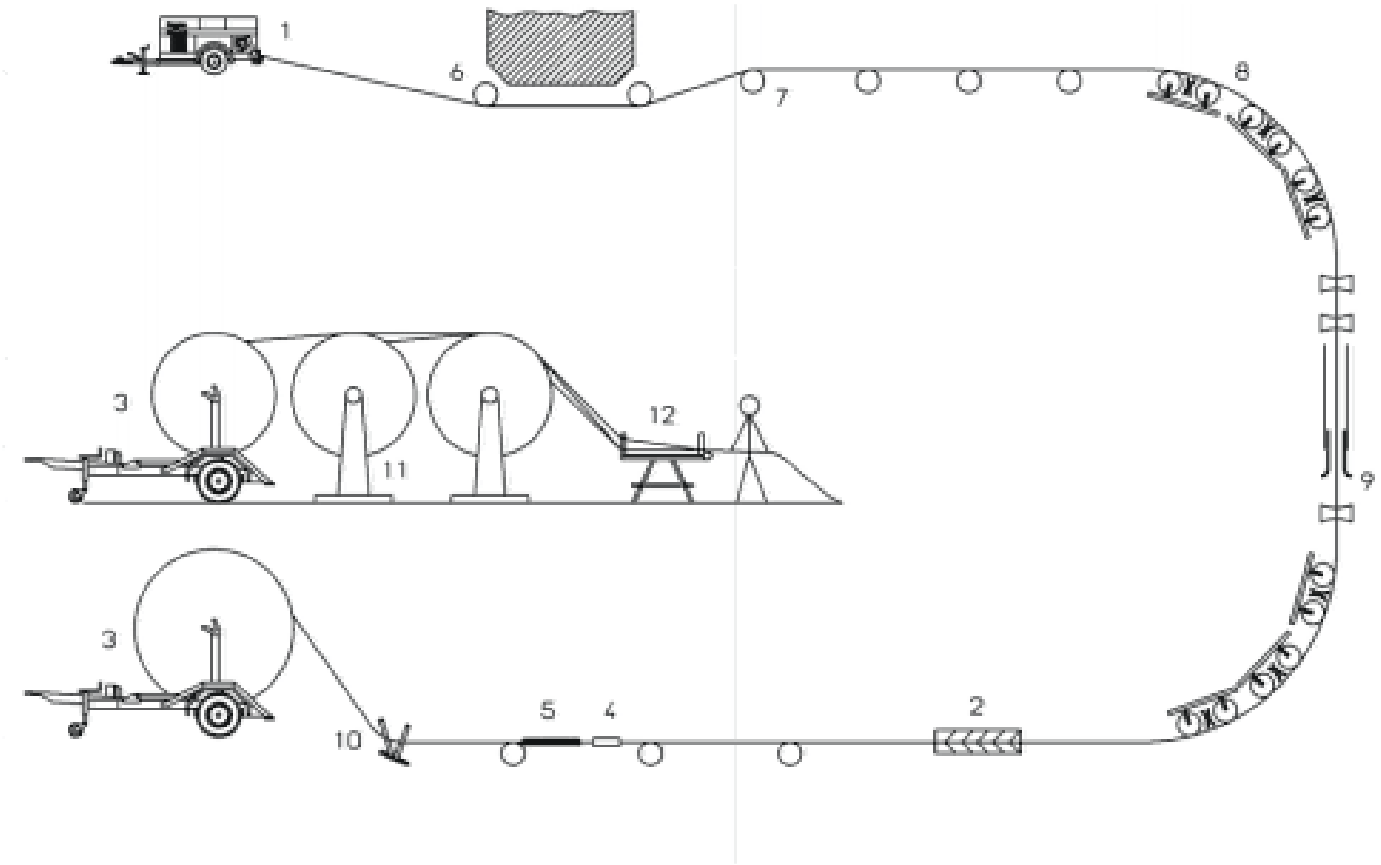
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Kabellægningsudstyr

1.) DEVICES FOR UNDERGROUND CABLE LAYING



1= Cable pulling winch
2= Cable pusher
3= Cable drum trailer
4= Anti-twist device
5= Cable Pulling Grip
6= Protection roller
7= Cable rollers
8= Corner rollers
9= Inserting device
10= Guide and run-off frame
11= Drum trestle
12= Bundling trestle

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