



## installation and operating instruction

### INTRODUCTION

All information necessary for a correct assembly to ensure trouble free operation of the cable reel are described in the present operating instructions. The warranty given by the manufacturer is only valid if these operating instructions are observed and adhered to. Terms and conditions are available upon request or at <https://www.schill.de/en/footer/general-terms>.

Additional user manuals for other product variants can be found at <https://www.schill.de/en/downloads> or received on request (see "CONTACT").

### GENERAL

Automatic cable rewriter provide for a modern power supply of workstations or the perfect supply of electrical energy, data, and signals for mobile devices. The cable is only pulled out when needed and in the required length. The remainder stays neatly stored on the cable reel and is protected from contamination and damage. The power connection is always accessible, but never in the way. The cable length can be easily adapted to a changing work situation. There is no cable chaos, no tripping hazard anymore. If the cable connection is no longer needed, a short pull on the cable stopper will suffice and the cable will roll up neatly. The automatic cable rewriter provides safety and order.

**In the MFK version, commercially available pre-assembled cables can be used without having to guide them via a rotary transformer. The physical properties of the cable are retained.**

### HANDLING

The coiled cable should be pulled out to the required length against the spring tension, but please refrain from the use of undue force. The cable is coiled and fixed in position as described under "LOCKING DEVICE". The cable should never be pushed in manually. If the cable becomes entangled when winding it onto the reel, simply pull the cable out again and then rewind.

#### Attention

**When rolling up and unrolling, the connection cable must be stored inside the coil and secured with the Velcro fastener (see cable assembly). Otherwise, the line may be damaged and there is a risk of injury due to the swirling end of the connection cable.**

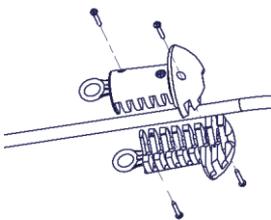
### MAINTENANCE

The cable reel does not require any maintenance, due to the excellent antifriction properties of the plastic bearing. However, the cable must be checked in regular intervals for damages and replaced if necessary.

### SPIRAL SPRING

The spiral spring is subject to natural wear and tear and can result in a fatigue fracture of the spring steel. Based on experience, we recommend changing the spring after approx. 30.000 operations. The term "operations" defines not only a complete winding and unwinding of the spring but also includes a partial movement of the spring. For a safe replacement of the coil spring, please refer to paragraph ("REPLACING THE SPIRAL SPRING").

### CABLE STOPPER



The length of the available cable can be individually adjusted with the provided cable stopper. The reliable clamping adapts to various cable diameters between 6 and 12 mm. For a thicker cable, a larger version is available. The stopper also serves as a safeguard against retraction of the cable in case of a not intended release. It should therefore never be removed.

## installation and operating instruction

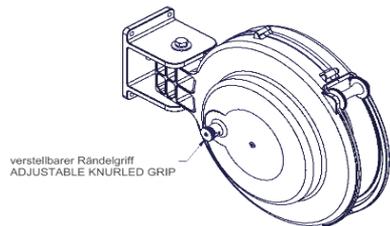
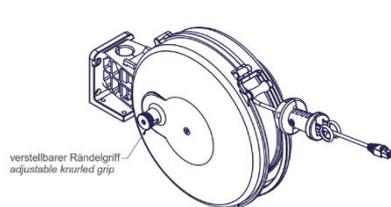
### LOCKING DEVICE

As a standard feature the cable reel has a disengageable cable locking device. The latching mechanism ensures that the pulled-out cable stays without traction fixed in place. When the cable is being pulled out, the spring detent passes over a series of grooves. An audible click indicates that the locking device is engaged. If you gently rewind the cable after the clicking sound, you will notice that the spring detent will engage into the notches, locking the cable in position. The cable can be disengaged by gently continuing to pull the cable until the click can no longer be heard. The tensioned spring will pull the cable back onto the reel.

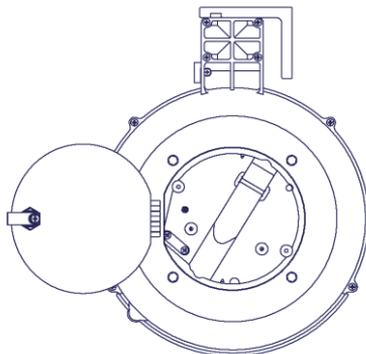
#### Attention

**Do not release the cable when rewinding, the tension of the spring can accelerate the winding speed to such a degree that the swinging cable end could cause injury. Also damage to the cable and spring could be the result of such an action.**

The locking device **FT / FTE 260** can be disengaged by pulling the knurled grip out by approx. 1cm and turning it between 90° and 180°. This will disengage the locking device the cable is then constantly under tension.



### CABLE ASSEMBLY



The standard MFK cable reels are supplied as standard without cable assembly (see "Installation Cables").

The cable is installed in the cable reel in such a way that a cable with the connection length X protrudes on the connection side. Cable assembly is described below. To change the extension length, the connection cable must be rolled up in the coil and fastened.

#### Attention

**When rolling up and unrolling, the connecting cable must be stored inside the coil and secured with the Velcro fastener. Otherwise, the line may be damaged and there is a risk of injury due to the swirling end of the connection cable.**

The maximum pull-out length depends on cable outer diameter (OD), cable weight incl. plug-in device, weight of the cable stopper and the built-in coil spring.

#### **FT 260 - EFT 265**

Starting from a standard spring, with a maximum of 24 revolutions, the following pull-out and connection lengths are possible.

cable OD [mm]	pull-out length [m]	connection length [m]
≤ 8	10	1,5
≤ 10	8	1,2
≤ 12	6	0,9

The maximum spring force is 30N (3kg).

## installation and operating instruction

### FT 350

Starting from a standard spring, with a maximum of 29 revolutions, the following pull-out and connection lengths are possible.

cable OD [mm]	pull-out length [m]	connection length [m]
≤ 8	21	1,5
≤ 10	18	1,2
≤ 12	11	0,9

The maximum spring force is 55N (5.5kg).

The values specified in the tables are approximate values. If you have any questions, please contact the manufacturer directly (see "CONTACT").

### CABLE INSTALLATION

- Loosen all the screws and remove the cover carefully.



#### Attention

**The spiral spring in the coil is under tension. Please ensure that the locking mechanism is activated.**

- Take the tension off the coil. To do this, proceed as follows:
  - Carefully turn the coil against the clockwise direction until the rattling of the ratchet is no longer heard. A pull will be noticeable. Do not let go of the coil.
  - Slowly run back the coil. The coil should be easily movable at the end and not locked in the locking.
- Dismantle strain relief and screws in the coil.
- Guide the cable through the opening in the coil until connection length X.
- Fix the cable with the strain relief.
- Store the overstanding connecting cable inside the coil and securely with the Velcro fastener.
- Install the cable stopper at the end of the pull-out cable.
- Wind the pull-out cable counterclockwise on the coil.
- Adjust the pre-load: Hold the stopper outside the housing and hold it with one hand. Now turn the coil as often as you want to pre-load. At the end let it snap into the notches (see "LOCKING DEVICE").
- Undertake the re-assembly in reverse order (see "TIGHTENING TORQUE").
- After the complete re-assembly undo the locking. Pull on the cable stopper, wind out the cable complete and slowly rewind it.
- Before re-mounting at the operation area, please check for a correct performance.

### TECHNICAL DATA

Our cable reels with their robust design are made for operating in factories and workshops. The sturdy plastic design, made from high-quality materials, is completely electrically insulated, corrosion resistant and has very good winding characteristics. The cable reels come as a standard without cable.

- Spiral spring for approx. 30.000 operations
- Locking by reliable spring rest (only switch-off with FT version)
- Without slip ring / rotary joint
- Without thermal safety guards
- Cable assembly

cable outer diameter[mm]	FT260/EFT265 pull-out length	FT 350 pull-out length	connection length
≤ 8	10m	21m	1,5m
≤ 10	8m	18m	1,2m
≤ 12	6m	11m	0,9m

- Cable stopper with segmented gentle clamp 6 – 12mm / 6 – 16mm
- Bracket / Fixing:
  - FT 260 Universal holder for wall or ceiling mounting
  - FT 350 serial holder for wall mounting (optional ceiling holder)
  - EFT 265 mounting holes 4 x Ø=6mm
- Ambient temperature range -25°C to 40°C

The specified range of ambient temperature applies only to the reels and not to the cable assembly or connectors. These are only part of the delivery in exceptional cases. Specifications for plug-in connections can be found under the standard DIN EN 60390.

The dimensions, weights, lengths, colours and traction are subject to modifications. We cannot rule out discrepancies and we reserve the right to make technical changes to the product without giving advance notice.

## installation and operating instruction

Additional information with respect to cable types, spring tensions, power loads and weights can be found on the product rating plate, in our current product catalogue and on our website <https://www.schill.de/en/>

### EXCHANGING THE PULL-OUT CABLE

- Disconnect the cable reel from the power supply and remove from the operation site.
- Loosen all the screws and remove the housing cover.
- Carefully remove the cover.

#### **Attention**

The spiral spring in the coil is under tension. Please ensure that the locking mechanism is activated.

- To replace the pull-out cable, you should make sure the spring is unwound for your own safety! Please adhere to the following instruction:
  1. Carefully pull on the cable stopper until the click of the notches have faded, you immediately notice a pull on the cable stopper in the opposite direction.
  2. Let the coil run back slowly and count the number of turns. This is important to adjust later the exact preload on the spring again, without damage to coil or spiral spring. In the end the coil should be able to move freely.
  3. Remove the damaged cable from the coil.
  4. Remove strain relief.
  5. Remove defective pull-out cable.
  6. Remove the cable stopper and attach to the new cable.
- Undertake the re-assembly in reverse order (see "TIGHTENING TORQUE").
- Adjust the pre-load:
 

Hold the stopper outside the housing and hold it with one hand. Now turn the coil as often as you counted. At the end let it snap into the notches (see "LOCKING DEVICE").
- After the complete re-assembly undo the locking. Pull on the cable stopper, wind out the cable complete and slowly rewind it.
- Before re-mounting at the operation area, please check for a correct performance.

### EXCHANGING THE SPIRAL SPRING

- Disconnect the cable reel from the power supply and remove from the operation site.
- Loosen all the screws and remove the housing cover.
- Carefully remove the cover.

#### **Attention**

The spiral spring in the coil is under tension. Please ensure that the locking mechanism is activated.

- To replace the pull-out cable, you should make sure the spring is unwound for your own safety! Please adhere to the following instruction:
  1. Carefully pull on the cable stopper until the click of the notches have faded, you immediately notice a pull on the cable stopper in the opposite direction.
  2. Let the coil run back slowly and count the number of turns. This is important to adjust later the exact preload on the spring again, without damage to coil or spiral spring. In the end the coil should be able to move freely.
- Turn the drum and release the coil from the housing by undoing the centre screw.
- Put the coil on the side with the spring cover disc top. Remove the spring cover disk.
- Remove the plastic axle.
- Remove the defective spring.
- Carefully Re-assemble the coil. Undertake the Re-assembly in reverse order (see "TIGHTENING TORQUE").
- If necessary, wind down the pull-out cable completely by turning the coil and insert the new spring. **Pay attention to the installation position!**
- Insert the new spring. **Pay attention to the installation position!**

#### **ATTENTION**

**Due to the manufacturing design the spring is under tension and could unwind very fast and cause injuries if handled improper.**

- Reinsert the plastic axle and assemble the spring cover disc. Ensure the retainer pin is engaging the spring eye.
- Adjust the pre-load:
 

Hold the stopper outside the housing and hold it with one hand. Now turn the coil as often as you counted. At the end let it snap into the notches (see "LOCKING DEVICE").
- After the complete re-assembly undo the locking. Pull on the cable stopper, wind out the cable complete and slowly rewind it.
- Before re-mounting at the operation area, please check for a correct performance.

## installation and operating instruction

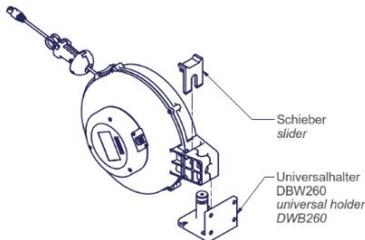
### INSTALLATION HEIGHT

The installation height of the cable rewriter is not limited. The maximum extension length is the specified cable length. The standard cables are designed to withstand the weight of the extended cable included cable stopper. Additional tensile forces (cause by additional weights for example) are not permitted.

When the cable is pull-out horizontally due to the weight of cable a slack occurs. This is about 10% of the cable pull-out length.

### INSTALLATION INSTRUCTIONS FT 260

#### Wall mounting with universal holder DWB260



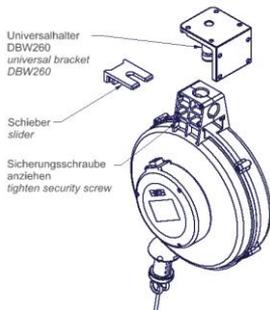
The cable reel can be rotated 150°

#### ⚠ PLEASE NOTE

The cable reel housing must be pushed onto the universal holder pin, then insert the slider into the intended position of the cable reel housing.

The universal holder DWB 260 is included in the scope of delivery, but no fastening screws.

#### Ceiling mounting with universal holder DWB260



The cable reel can be rotated 360°.

#### ⚠ PLEASE NOTE

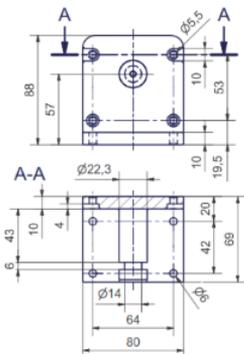
The cable reel housing must be pushed onto the universal holder pin, then insert the slider into the intended position of the cable reel housing.  
**Do not forget to fix the slider with the securing screw!**

#### ⚠ ATTENTION

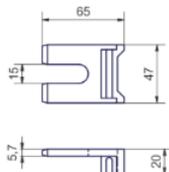
**If repeated over-tightening, the connection cable can be mechanically stressed and torn off.**

The universal holder DWB 260 is included in the scope of delivery, but no fastening screws.

Universalthalter DWB260  
Universal holder DWB260

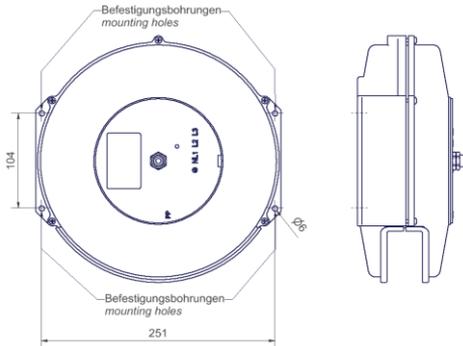


Schieber für DWB260  
Slider for DWB260



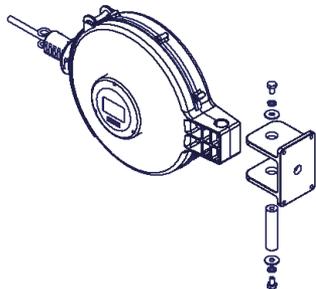
### INSTALLATION INSTRUCTIONS EST 265

EST 265 is screwed to the mounting surface via 4 holes on the housing.



### INSTALLATION INSTRUCTIONS FT 350

#### Wall mounting with universal holder WB 038/350

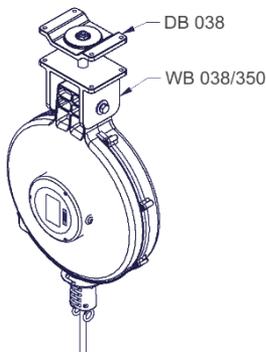


The cable reel can be rotated 150°

**⚠ PLEASE NOTE**

Tighten screws (with spring ring and underlay) at the top and bottom with torque 40 Nm

#### Ceiling mounting with universal holder WB 038 / 350 and DB 038



The cable reel can be rotated 360°

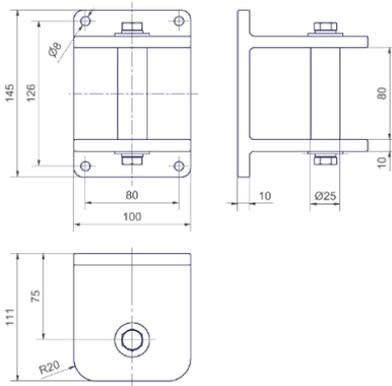
**⚠ Attention**

in case of multiple overturns, the connecting cable can be mechanically loaded and, if necessary, torn off.

The ceiling holder DB 038 is not included and is available as an accessory.

## installation and operating instruction

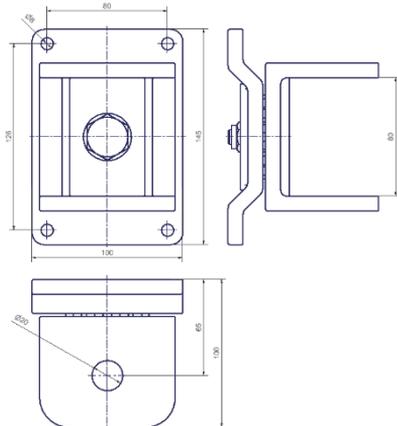
### Wall holder WB 038/350



Wall holder WB 038 is included in the scope of delivery, but no fastening screws.

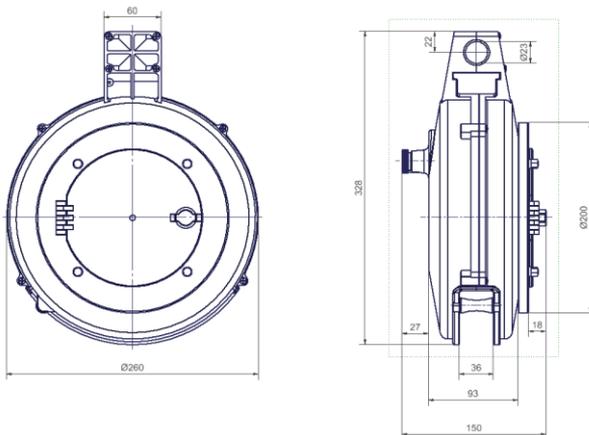
### Ceiling holder DB 350

The ceiling holder DB 038 is not included and is available as an accessory.



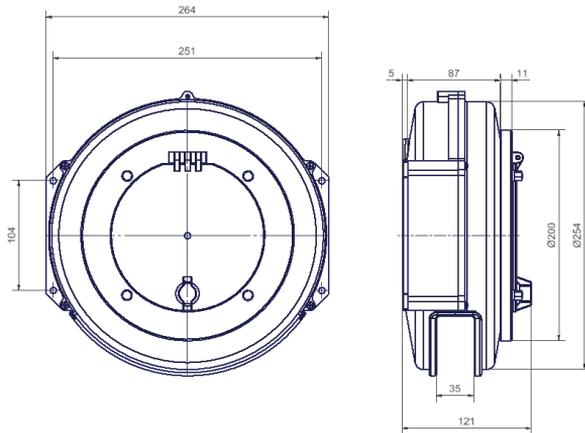
## DIMENSIONS

### FT 260

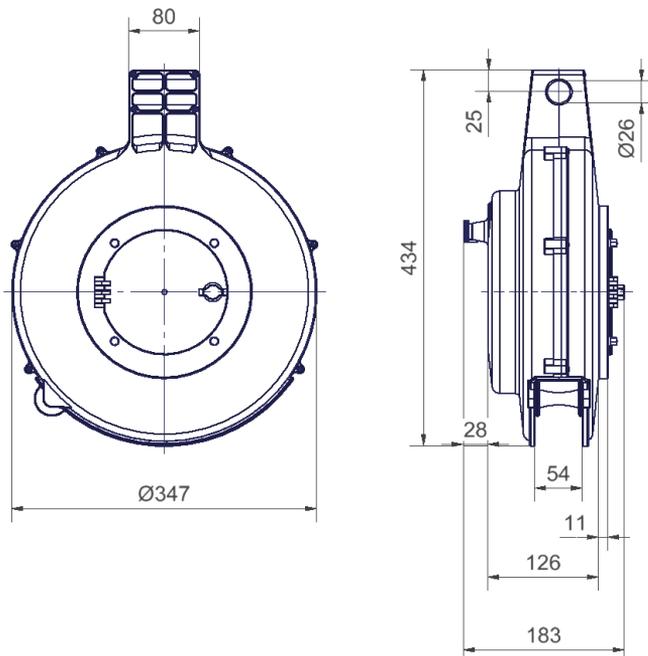


## installation and operating instruction

### EFT 265



### FT 350



The dimensions, weights, lengths, colours and traction are subject to modifications. We cannot rule out discrepancies and we reserve the right to make technical changes to the product without giving advance notice.

## installation and operating instruction

### TIGHTENING TORQUE

Gehäuseschrauben <i>cover screws</i>	0,8 Nm
Achsschraube <i>axle screw</i>	1 Nm
Strain <i>strain relief</i>	0,8 Nm
Hosestopper <i>Cable stopper</i>	0,8 Nm

electrical connections <i>electrical connections</i>	0,5 Nm
MS grinding ring nut M3,5 <i>MS slip ring nut M3,5</i>	0,3 - 0,35 Nm
MS Grinding Ring Screw M3 <i>MS slip ring screw M3</i>	0,6 - 0,7 Nm

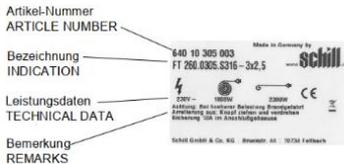
### DECLARATION OF CONFORMITY

Declarations of conformity are available upon request or at <https://www.schill.de/en/downloads/>

### SPARE PART ORDER

If you require spare parts, please contact our local distribution partner or give us a ring on 0049 711/ 578807-0 or send a mail at [sales@schill.de](mailto:sales@schill.de).

Please have the product number or the part number ready.



### CONTACT

#### Administration Fellbach

Schill GmbH & Co. KG  
Bruck Straße 44  
70734 Fellbach  
Telefon: [+49 \(0\)711 578807-0](tel:+497115788070)  
Telefax: [+49 \(0\)711 578807-44](tel:+4971157880744)  
E-Mail: [info@schill.de](mailto:info@schill.de)

#### Manufacture Laichingen

Schill GmbH & Co. KG  
Hirschstr. 81  
89150 Laichingen  
Telefon: [+49 \(0\)7333 9648-0](tel:+49733396480)  
Telefax: [+49 \(0\)7333 9648-44](tel:+497333964844)  
E-Mail: [info@schill.de](mailto:info@schill.de)