15/25/35m
4 Socket Extension Reels

User Guide for 90181PI, 90182PI & 90183PI

Warning:

- Do not exceed maximum allowable load
- Max. fully-wound: 1200W/240V

- Max. fully-extended: 3120W/240V

If in any doubt check the load/Wattage shown on the rating label of the appliance/ tool you are about to connect to the reel

Important Advice:

- Fully unwind the cable reel before use.
- Take care not to damage the cable reel or fittings. If damaged do not use.
- Do not attempt to adjust or disassemble the reel or plug.
- Do not use in damp or wet conditions.

Thermal Cutout:

If too great a load is connected the cable and socket are likely to overheat and the Thermal Cutout will activate to break the circuit (the red button will pop-up).

If this happens:

- Remove the plug from the mains socket
- Disconnect any connected appliances
- Allow the reel to cool
- Push in the red reset button
- Make sure the cable is fully unwound
- Plug back into the mains
- Check the combined rating of any tools / appliances before reconnecting.

General Safety

This extension reel is intended for domestic use only. It is not intended for use in commercial/ industrial environments.

It is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the reel by a person responsible for their safety.

If the If the reel is damaged in any way or malfunctions do not use. Consult a qualified electrician.

Do not handle the plug with wet hands.

Plug the extension reel into a 13 Amp socket with a 240V~50/60Hz power supply only.

When unplugging the reel hold the plug, Do not unplug by pulling on the cable.

Keep the cable away from heated surfaces.

Never connect a multi socket adaptor or another extension lead to any of the sockets of your extension reel.

Check Your Appliance Ratings

All mains (UK 240V) cables are rated to a maximum amperage/wattage that they can carry when fully unwound. This rating is reduced when the cable is not full unwound. If the cable is still wound on the cable reel it acts as an electrical coil, inductive forces increase the resistance of the coiled wire reducing its safe load capacity.

Your cable reel is marked with max wound (depending on the length of the cable) and max unwound load capacity (typically 3120W fully unwound for a 13A reel). Fully wound this will only be 1200W (5A). Do not exceed these capacities as it will result in the cable overheating and can cause malfunction and fire.

In order to avoid overloading your cable reel you should understand the loads of the appliances that you are connecting to your mains reel. All appliances large and small must be marked with a rating label that displays the appropriate voltage and the load they present in A (amps) mA (miliamps) and often also displayed in Watts.

See overleaf a guide to appliance ratings.

To convert mA to A simply divide by 1000.

To convert Watts to Amps, divide Watts by the voltage applied to the appliance.

For mains powered items voltage will always be 240V in the UK (sometimes stated as 230V (plus or minus 10%). For products that use mains adapters, use the output voltage and amperage of the item being powered. Don't be fooled into thinking these types of loads are always small. A modern phone charger is typically 2A and laptop charger/power supply is usually at least 3.25A. These soon add up.

Heavy loads typically used with cable reels outdoors		
Appliance	Typical load Watts	Typical load Amps
Electric patio heater	2000W (2kW)	8.3A
Electric lawn mower	1200 – 1800W	5 – 7.5A
Pressure washer	1800 – 3000W	7.5 – 12.5A
Circular saw	1600 – 2100W	6.7 – 8.75A
SDS drill	800W	3.4A

As you can see, almost any 2 of the above appliances used together would overload a 13A cable reel even if it is fully unwound.

The same applies with indoor appliances

Heavy loads typically used with cable reels indoors		
Appliance	Typical load Watts	Typical load Amps
Toaster	2000W (2kW)	8.3A
Microwave oven	800 – 1000W	3.4 – 4.16A
Kettle	1800 – 3000W	7.5 – 12.5A
Air fryer	800 – 1000W	3.4 – 7.5A

Check the rated loads of the appliances you are connecting to your cable reel. Add up the Amps or the Watts. If the result exceeds the max value of your cable reel then don't plug it in.

Technical Support

If you experience problems fitting or using your extension reel, please visit our technical website at **www.philex.com/support**

Waste electrical and electronic products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority for recycling advice.

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Kingfisher Wharf,
London Road,
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