

## EQUIPMENT CARE

**Never push the equipment beyond its design limits.** If it will not do what you want assume you have the wrong type or size of cable for the job. **Ask at your local HSS Hire Weld Depot for advice.**

**Keep the equipment clean.** You will find this less of a chore if you clean it up regularly rather than wait until the end of the hire period.

When not in use, **store the equipment somewhere clean, dry and safe** from thieves and unauthorised users.

## FINISHING OFF

**Switch off any equipment being powered then switch OFF the power supply. Disconnect all cables and coil them up neatly** ready for return to your local HSS Hire Weld Depot.



### ...any comments?

If you have any suggestions to enable us to improve the information within this guide please fax your comments or write to the Product Manager at the address below

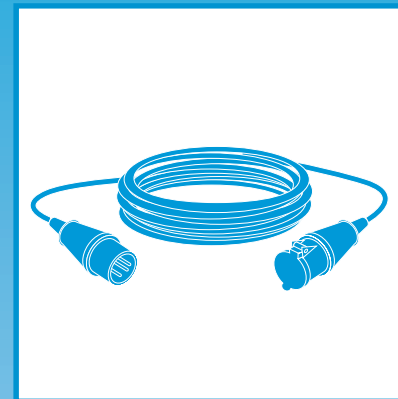
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## Operating & Safety Guide HW890

10/068241  
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# HSS Hire-Weld



## Single and Three Phase Extension Cables

**14 metre, heavy duty 240V and 415V extension cables for use with distribution boxes and heavy demand equipment.**



Code 40977/8/85/6/9/94

## GENERAL SAFETY


**For advice** on the safety and suitability of this equipment **contact your local HSS Hire Weld Depot.** **There is a serious risk of personal injury** if you do not **follow all instructions** laid down in this guide.


The hirer has a responsibility to **ensure that all necessary risk assessments have been completed** prior to the use of this equipment.


**This equipment should only be used by an operator who has been deemed competent to do so by his/her employer.**

**This equipment should be used by an able bodied, competent adult** who has read and understood these instructions. Anyone with either a temporary or permanent disability, should seek expert advice before using it.

**Keep children, animals and bystanders away from the work area.** Cordon off a NO GO area using cones, barriers or tape, available for hire from your local HSS Hire Weld Depot.

 **Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.**

 **This equipment may be used to power equipment that generates potentially harmful noise levels.** To comply with health and safety at work regulations, **ear defenders must be worn** by everyone in the vicinity.

 **Wear practical, protective clothing, gloves and footwear.** Avoid loose garments and jewellery that could catch in moving parts, tie back long hair.

**Always use this equipment in conjunction with the health and safety recommendations of the equipment it is being used to power.**

**Always switch OFF any equipment connected to the extension cable before making any adjustments to it.**

**Ensure the work area is well lit and ventilated,** a fume extractor or smoke eliminator should be used. If in doubt, ask about lighting and ventilation equipment at your local HSS Hire Weld Depot.

**Do not work near flammable gases or liquids,** petrol or paint thinner fumes for example. **Keep combustible materials at a safe distance** - at least 5m.

**Check the condition of the equipment before use.** If it shows signs of damage or excessive wear, return it to your local HSS Hire Weld Depot.

## ELECTRICAL SAFETY

The HSS Extension Cables are designed to be used with either a 415V, 5 pin 3-phase power supply or a 240V single phase power supply.


In addition, both types may be connected to a suitable generated supply or to a main power supply.

If the equipment fails, or if its cable, socket or plug becomes damaged, return it. Never try to repair it yourself.

**Keep cables out of harm's way,** and clear of the work area.

**Cables must always be fully unwound and loosely coiled, away from the equipment.** Never run them through water, over sharp edges or where they could trip someone.

**Keep the equipment dry,** using electrical equipment in very damp or wet conditions can be dangerous.

 **To reduce the risk of electric shock, always use a suitable RCD** (Residual Current-Operated Device) available from your local HSS Hire Weld Depot. Or power the equipment from a mains circuit with a built in RCD.

**Ensure that all equipment powered by the extension cable is switched OFF before plugging the extension cable into the power supply.**

## GETTING STARTED

**Take the Extension Cable to the work area,** site in a place where it will be away from pedestrian traffic. Loosely uncoil the cable and place on the floor.

**Fully uncoil additional extension cables and/or power cables from any equipment to be powered by the extension cable.** Always ensure that cables do not present a trip hazard.

## BASIC TECHNIQUES

### Three Phase...

Code	input (max)	cable size	cable type
40994	16amp	2.5mm <sup>2</sup>	5 core cable
40985	32amp	6mm <sup>2</sup>	5 core cable
40986	63amp	16mm <sup>2</sup>	5 core cable
40989	125amp	35mm <sup>2</sup>	5 core cable

There are four cable and plug sizes available with the range of three phase cables. **It is extremely important that the plug rating is not exceeded** (see chart), for further advice, contact your local HSS Hire Weld Depot.

**All HSS 3-phase cables are fitted with water resistant plugs and trailing sockets,** some of which use a locking collar to hold the plug and socket securely together.

To make a connection, **align the plugs guide nipple with the sockets slot and fully insert the plug.** Where fitted, turn the lock collar clockwise to lock the plug to the socket.

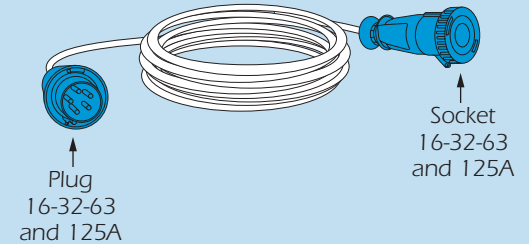
### Single Phase...

Code	input (max)	cable size	cable type
40977	16amp	2.5mm <sup>2</sup>	3 core cable
40978	32amp	4mm <sup>2</sup>	3 core cable

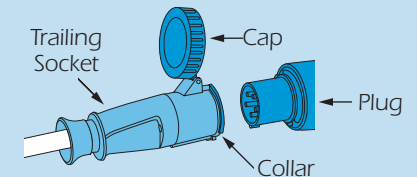
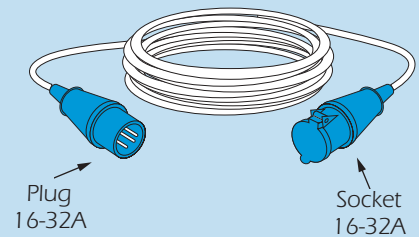
There are two cable and plug sizes available. **It is extremely important that the plug rating is not exceeded** (see chart), for further advice, contact your local HSS Hire Weld Depot.

## Extension Cables

### 3 Phase



### Single Phase



The HSS single phase cables have the trailing socket fitted with a spring loaded cover which engages with a catch on the plugs body. This is the most common type used.

To make a connection, **raise the sockets cover, align the plugs nipple with the sockets slot. Fully insert the plug then lower the cover so that it engages behind the plugs catch.**

**Whichever you are using...**

**All cables supplied by HSS use HO7 RN-F flexible rubber cable and this must be taken into consideration when performing your risk assessment.** If using an RCD adaptor, make sure that it is positioned between the power supply and the extension cable.

Having made sure that the power supply is switched OFF, **plug the cable into the power supply socket.**

Having made sure that any equipment being supplied by the cable is switched OFF, **plug the equipment into the cable's trailing socket.**

**You can now switch the supply ON and proceed to operate the equipment.**