

## **Instructions for preparing and terminating Supra LoRad MK 11 cables.**

Please note: The power rating of LoRad cables is:

LoRad 1.5 Mk11 – 10 Amps (continuous)

LoRad 2.5 Mk11 / LoRad 2.5 SPC – 16 Amps (continuous)

Note orientation of cable – the 3 arrows ( > > > ) indicate the direction of “flow” AWAY from the wall socket and TOWARDS the equipment.

### **For Supra UK plugs (and other compatible types):**

Trim off 40mm of outer insulation, using a craft knife – score around the outer insulation first then score up from the previous score line to the end of the cable. The outer insulation can then be easily peeled off. **DO NOT CUT TOO DEEP INTO THE INSULATION** as you may damage the insulation of the 3 conductors.

Unwind the BLACK nylon/woven screen and cut off the screen closest to the end of the Ice Blue/Anthracite Grey outer insulation. **Take care not to cut off the exposed drain wire.**

Then move the drain wire out of the way and unwind and remove the WHITE inner covering, cutting it off near the end of the outer insulation.

Then cut off the 3x white yarn “filler” strands, near to the end of the outer insulation – they are there to keep the cable “circular” whilst on the reel and when in use.

Trim off 5mm of YELLOW&GREEN (earth) insulation

Cut off 5mm of the BLUE (neutral) conductor and then trim off 5mm of BLUE insulation

Cut off 20mm of BROWN (live) conductor and then trim off 5mm of BROWN insulation

Lightly twist each of the exposed bundles of conductors and, if you can, tin the ends of each preferably using a solder pot – a high temperature soldering iron can also be used – in either case, do not expose the conductors to heat for too long or the insulation may melt.

For the EARTH conductor, twist the DRAIN WIRE and inner conductors together and then COVER the joined conductors with YELLOW/GREEN HEATSHRINK/ SLEEVING (o/d approx 5mm and approx 30-35mm long) up to the point where the exposed ends of the EARTH conductor wires start. (Suitable heatshrink / sleeving can be bought from B&Q stores or ordered online – or consult your dealer as they may have some).

Undo the UK plug and remove one of the cord grip screws completely, and loosen the second so that the cord grip can be swung out of the way. Remove the UK fuse, and the live and neutral fittings. Note the orientation of the cable and insert the YELLOW&GREEN/EARTH conductor into the EARTH pin. Then bend the BLUE/NEUTRAL conductor cable and as you insert it into the NEUTRAL fitting, push the fitting into the plug body. The BROWN/LIVE conductor can then be inserted into the LIVE terminal and the fuse can be re-fitted.

Now tighten the screws for each of the conductors. **DO NOT OVERTIGHTEN.** Then swing the cord grip back into place and do up the cord grip screws equally so that the cord grip lightly and evenly grips the cable. Then re-fit the plug cover.

### **TEST CABLE FOR CORRECT FITTING OF LIVE, NEUTRAL AND EARTH CONDUCTORS AND ENSURE CABLE IS WIRED CORRECTLY.**

**PLEASE NOTE: Unlike audio cables, where the drain wire is sometimes cut off at one end, the drain wire used within Supra LoRad Mains Cable MUST be connected to EARTH at the MAINS SUPPLY END.**

**IF IN ANY DOUBT, PLEASE CONSULT A QUALIFIED ELECTRICIAN OR EMAIL US:**

[info@supracables.co.uk](mailto:info@supracables.co.uk)

## **Instructions for preparing and terminating Supra LoRad MK 11 cables.**

Note orientation of cable – the 3 arrows ( > > > ) indicate the direction of “flow” AWAY from the wall socket and TOWARDS the equipment.

### **For the Supra SWF-10, SWF-16, SW-EU and SW-US connectors.**

Trim off 25mm of outer insulation, using a craft knife – score around the outer insulation first then score up from the previous score line to the end of the cable. The outer insulation can then be easily peeled off. **DO NOT CUT TOO DEEP INTO THE INSULATION** as you may damage the insulation of the 3 conductors.

**PLEASE NOTE: Some electricians suggest that the drain wire should only be connected at the MAINS PLUG END of the cable (ie the mains supply end) and not the EQUIPMENT END. This is the PREFERRED METHOD of connection. If that is the case then DO NOT twist the drain wire with the EARTH and instead CUT OFF the drain wire at the “equipment end” of the cable and just connect the EARTH conductors to the earth terminal in the IEC connector.**

Unwind the BLACK nylon/woven screen and cut off the screen closest to the end of the Ice Blue/Anthracite Grey outer insulation.

Then (if needs be) move the drain wire out of the way and unwind and remove the WHITE inner covering, cutting it off near the end of the outer insulation.

Then cut off the 3x white yarn “filler” strands, near to the end of the outer insulation – they are there to keep the cable “circular” whilst on the reel and when in use.

Cut off 3mm of YELLOW&GREEN conductor and then trim off 5mm of insulation

Trim off 5mm of BLUE insulation

Trim off 5mm of BROWN insulation

Lightly twist each of the exposed bundles of conductors and, if you can, tin the ends of each preferably using a solder pot – a high temperature soldering iron can also be used – in either case, do not expose the conductors to heat for too long or the insulation may melt.

For the EARTH conductor, (if needs be) twist the DRAIN WIRE and EARTH inner conductor together and then COVER the joined conductors with YELLOW/GREEN HEATSHRINK/SLEEVE (o/d approx 5mm and approx 15mm long) up to the point where the exposed ends of the EARTH conductor wires start. (Suitable heatshrink / sleeving can be bought from B&Q stores or ordered online – or consult your dealer as they may have some). Otherwise, just connect the Earth conductor wire to the Earth terminal in the connector.

For the Supra connector(s), use a flat bladed screwdriver to undo the large lock screw – the connector will then be easy to slide apart into two sections.

Undo the screws inside the connector and then splay the BROWN and BLUE cable ends apart in a slight curve. The GREEN/YELLOW cable can be left straight.

Terminate the BLUE and BROWN wires to the respective NEUTRAL (N) and LIVE (L) terminals. The YELLOW/GREEN wires go to the EARTH terminal

Offer the 3 conductors into the connector making sure that they are fully inserted and tighten the grub screws to secure the conductors in place. **DO NOT OVERTIGHTEN**. Then slide the outer cover back on and ensure it is fully re-located. Then do up the lock-screw and ensure the connector cover cannot be easily pulled off. **DO NOT OVERTIGHTEN** as you may break the casing and/or damage the cable.

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