

Wiring Instruction for Parts 88040270 & 88040280



88040270



88040280

Both parts have the same fundamental design, with the exception of the wire terminals. Therefore, many steps will apply to both parts. Steps specific for an individual will be so noted during the steps below.

- 1) Remove the assembly screw from the face of the plug or connector (photo below shows the relative location of the screw; same for both parts). Separate the face assembly from the back-shell of the part.



- 2) Remove the two screws on the rear of the part (photo below shows the relative location of the screws; same for both parts). Remove the strain relief mechanism from the back-shell.

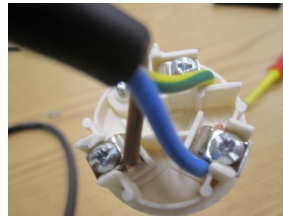


- 3) For plug part number **88040270** strip outer jacket 35mm; for part number **88040280** strip outer jacket 35mm. Only cables in the 0.75mm² and 1.00mm² sizes with an outer diameter no larger than 8.5mm are to be used with this product.
- 4) For plug part number **88040270** strip individual conductor wires 8mm; for part number **88040280** strip individual conductor wires 9mm.

- 5) Slide the strain relief section on the cable, followed by the back-shell, and move them down the cable out of the way (correct orientation for sliding these parts on is shown in photo below and is the same for both part numbers).

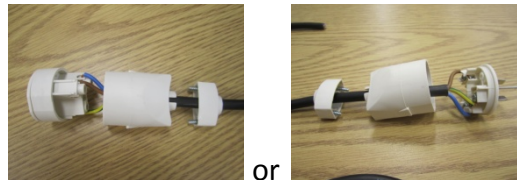


- 6) Wire the face piece of the plug or connector onto the cable:
- Insert a wire into terminal designated for that wire on the product. (**Note:** On the 88040270 plug, be sure the wires are positioned in the innermost terminal entry position, as shown in the next picture. Failure to do this will result in backshell not realigning to the face due to wire interference.



- Tighten terminal screw to 0.565Nm (5.0inlb) for the **88040270** or to 0.80Nm (7inlb) for part number **88040280**. These values are for stranded copper wires that have been ultrasonically welded. Use of unwelded wire, solid wire, aluminum wire, ferrules or alternate methods will require the user to determine if the torque needs adjusted from the recommended levels.
- Repeat for remaining wires.

When completed, the unfinished assembly should look like one of the photos below:



- 7) Slide back-shell up the cable and mate up to the plug or socket face, making certain to align the screw holes. Insert screw and tighten down hand tightening until screw is reseated and snug.
- 8) Slide the stain relief portion into place and start each screw evenly stopping once strain relief is re-attached to the back-shell. Push the cable up into the back-shell far enough to ensure the clamping mechanism will tighten on the outer jacket only. Once this has

been insured, alternately tighten screws down (hand tightening recommended) until clamping mechanism is clamped to cable jacket and is visibly indenting the cable jacket a slight amount. A pull test should be done to ensure the device is adequately gripping the cable. Cable jacket should not show signs of slippage from out of the plug or connector. Torque values cannot be recommended due to the vast differences in cable jacket materials, and must be determined specifically for each different cable used.

Wiring Instruction 88040270,280

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