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12N / 12S Connectors

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Description

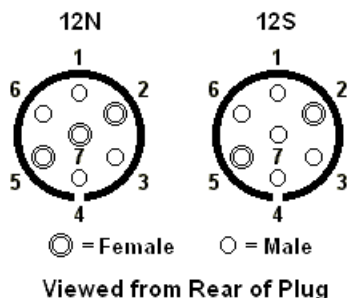
7-pin heavy duty connectors used on trailers, caravans etc. to connect the obligatory lighting (12N) and auxiliary power systems (12S) to the towing vehicle. Both connectors are similar in appearance apart from the gender of the pins, designed to ensure the connectors cannot be connected to the wrong socket.

Typical Applications

Trailers, Caravans etc. - 12N connector used to connect obligatory road lights.

Caravans - 12S connector used to charge caravan battery, power fridge and equipment etc.

Pin Assignments



Pin	Cable Colour	12N Connector Function	12S Connector Function *
1	Yellow	Left Indicator	Reverse Lamps
2	Blue	Fog Lamps (if fitted)	Spare
3	White	Ground	Ground for pin 4
4	Green	Right Indicator	Permanent 12V power / charge
5	Brown	Right Side / Taillamp	Spare
6	Red	Brake Lamps	Fridge
7	Black	Left Side / Taillamp	Ground for pin 6

12N connectors are normally coloured black. Pins 2, 5 and 7 in the plug are female, others are male.

12S connectors are normally coloured white. Pins 2 and 5 in the plug are female, others are male.

Note that the 12N and 12S ground wiring must not be connected together and must be connected to the towing vehicle separately via the associated connector.

* 12S pinouts to post 1999 European standard. Pre-1999 caravans are wired differently, check a specialist caravanners website for details of this and more in-depth discussion of 12S caravan wiring.

Connector Assembly Instructions

Normally screw connectors. Thread the nut and gland onto the cable before wiring up the plug and fully tighten gland after assembly to provide strain relief and water resistance. Be especially careful to ensure there are no loose strands of wire as a short circuit whilst towing could cause a breakdown of the towing vehicle or lighting.

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