

## Socapex 19-Pin Connector Wiring

<b>Subject:</b> Wiring Scheme for 6-8 Circuit Multicore Cables			
<b>Revised:</b> 02 Sep 2005		<b>By:</b> Steve Reader	
<b>Category:</b> Cables		<b>File Reference:</b> CA000003	
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### Connector Wiring

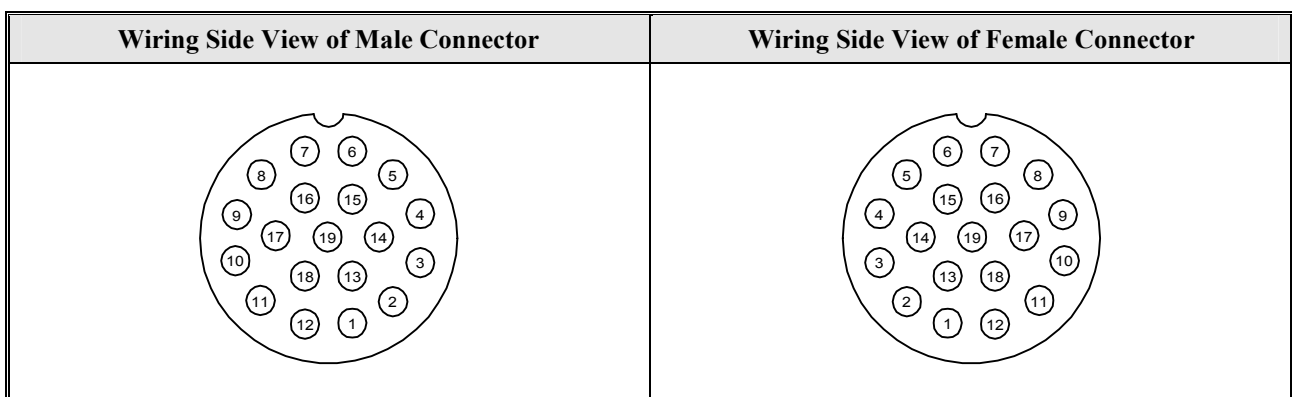
6-Circuit Wiring Scheme			
Pin	Purpose	Pin	Purpose
1	Phase 1	11	Phase 6
2	Neutral 1	12	Neutral 6
3	Phase 2	13	Earth 1
4	Neutral 2	14	Earth 2
5	Phase 3	15	Earth 3
6	Neutral 3	16	Earth 4
7	Phase 4	17	Earth 5
8	Neutral 4	18	Earth 6
9	Phase 5	19	Spare (Earth)
10	Neutral 5		

8-Circuit Wiring Scheme			
Pin	Purpose	Pin	Purpose
1	Phase 1	11	Phase 6
2	Neutral 1	12	Neutral 6
3	Phase 2	13	Phase 7
4	Neutral 2	14	Neutral 7
5	Phase 3	15	Phase 8
6	Neutral 3	16	Neutral 8
7	Phase 4	17	Earth
8	Neutral 4	18	Earth
9	Phase 5	19	Earth
10	Neutral 5		

#### Notes:

1. There is general agreement in the wiring scheme for these connectors in the stage lighting industry, however some variations do exist. If in doubt test. All cables manufactured by Adena use the wiring scheme shown above.
2. Select cable types with nineteen conductors and wire all pins through the multicore pin for pin (pin-1 to pin-1, pin-2 to pin-2, pin-3 to pin-3, etc), that way the cable can be used safely for either of the wiring schemes shown above.
3. The cables must be PAT tested and tagged to AS/NZS 3760 by an electrician or electrical service technician.

### Connector Pins Layout



**WARNING** Do NOT mix the tails for multicore cables from different manufacturers and/or rental companies unless you have tested and are certain they are all wired according to the same wiring scheme. If the tails from two different wiring schemes are plugged onto opposite ends of a multicore cable a life threatening electrical hazard can result and serious damage to other connected equipment is likely.