

# IDC Sockets for Discrete Wires

# XG5

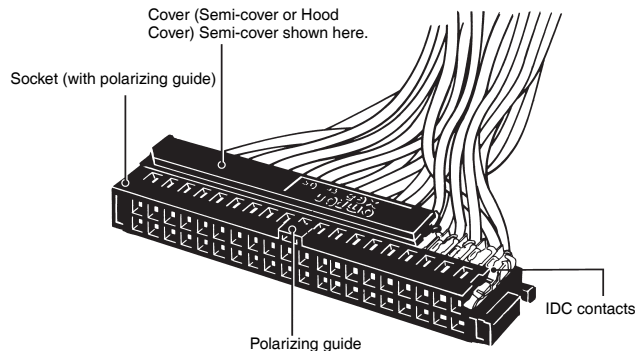
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## Trouble-free discrete-wire termination with IDC Sockets that mate with XG4 and XG8 Plugs.

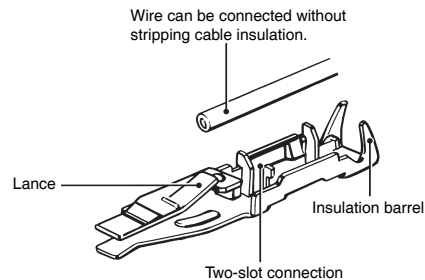
- Two-row, IDC construction and insulation barrel offers high reliability and large-current (3 A) discrete wiring capability.
- Adaptable to a variety of covers for space-saving and discrete wire termination.
- By using the simple, unique top lock-lever system, these Connectors can be locked to either the XG8W Unshrouded Plugs (with right-angle terminals) or XG4C Box-type Plugs.
- Conforms to UL standards (file no. E 103202) and CSA standards (file no. LR 62678).



## Construction



### Solderless Contact



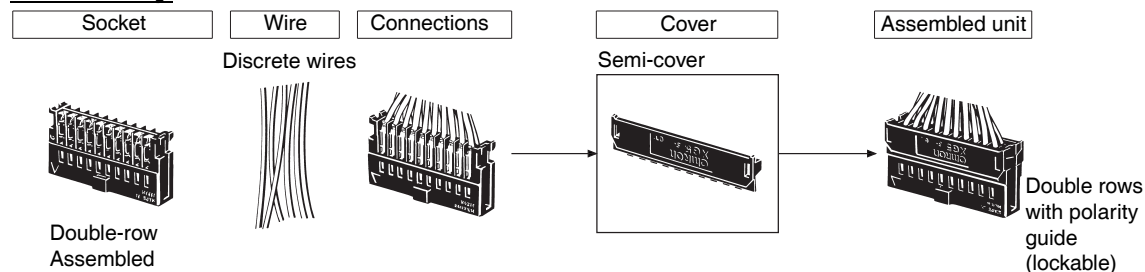
## Assembled Configuration

### Insulation Displacement (IDC) versus Crimp Termination

IDC termination provides the following advantages over crimp style termination, when using discrete wires;

- Overall cost is lower, because less manhours are required. Wire stripping is eliminated and inspection is easier.
- IDC termination provides consistent quality, improving yield.
- XG5 terminals are installed in the socket housing at the factory, simplifying the Bill of Material and parts control.
- Optional replacement IDC terminals facilitates re-configuration of wiring.

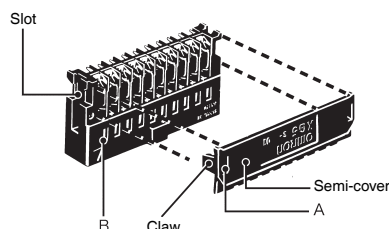
### Assembly



### Mounting the Cover

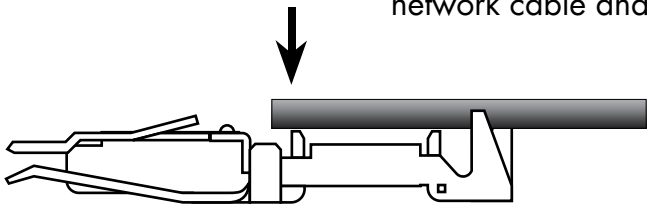
- The cover is used to protect the connection position and prevent shorting out.

### Mounting the Semi-cover

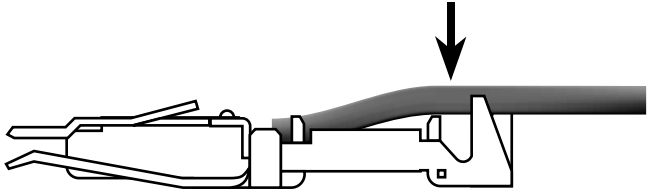


1. Insert part A of the Semi-cover into part B of the Socket.
2. Push the claws on both sides of the Semi-cover onto the Socket.
3. Make sure the claws are firmly inserted in the slots.
4. To protect the wires, use cable ties to bind wires that may be subject to tension even when a Semi-cover is used.

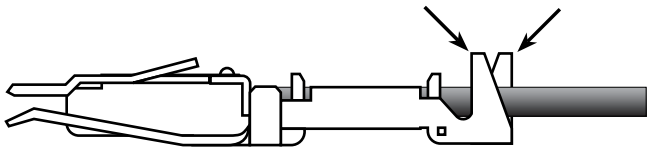
Use 24AWG stranded wire, which can be found in CAT5 network cable and some phone wire (most phone wire is solid).



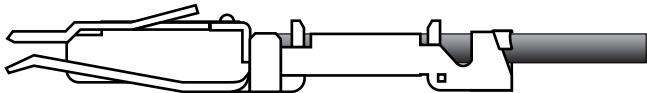
Place wire on connector, then push front end into connector using fingernail, screwdriver, or similar object.



Push rear end of wire into connector.



Bend tabs inwards to provide strain relief for the connection. These should grip wire tightly, but not cut into the insulation.



Final result.

Be gentle while installing wire into the connectors - very minimal pressure required. Make sure that sides of connector stay straight. If the sides have curved outward, just squeeze them back into shape gently.

These connectors are NOT intended for re-use - meaning, do not try to remove the wire and install another one as it may not make a proper connection.