

STANDARD IDC 26-28 AWG 201-01-124

1. SPECIFICATION DISTRIBUTION

No restrictions for issue

2. SCOPE

This specification contains the application notes for the 9175, 9176, and 9177 IDC connectors.

3. RELATED DOCUMENTS

- 00-9175-00X-00X-X06 - STANDARD IDC CONNECTOR 26-28AWG
- 00-9176-00X-0XX-X06 - STANDARD IDC CONNECTOR 18-24AWG
- 60/70-9176-001-5XX-XXX - SINGLE CONTACT IDC 18-24AWG
- 60/70-9176-001-4XX-XXX - SINGLE CONTACT IDC 22-28AWG
- 00-9177-00X-0XX-X06 - STANDARD IDC CONNECTOR 14-20AWG

Note: The connectors in the product series are available in standard black colour (white and other colours are special order). The colours used in this document are for illustration purposes only.

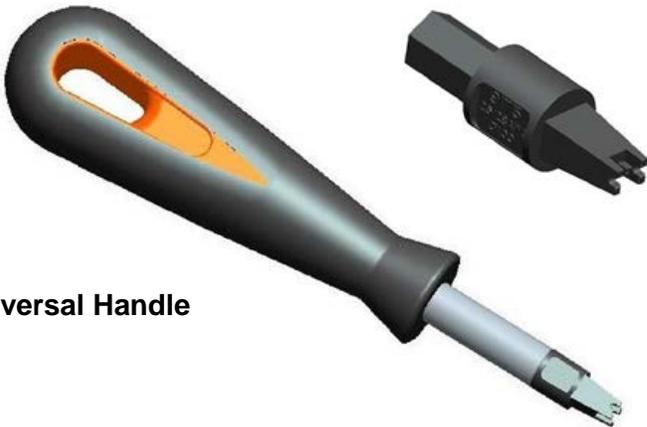
4. 9175 CONNECTOR 26-28AWG

4.1. 9175 CONNECTOR



Available in 2way and 3way sizes for 26AWG and 28AWG wires.

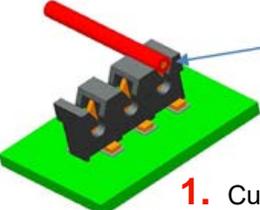
4.2. 9175 STANDARD HAND WIRE INSERTION TOOLING



Plastic termination tool for low-medium volumes (metal versions available for higher volume)
Maximum insulation diameter 1mm suitable for 26-28AWG wires

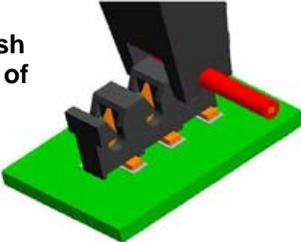
Universal Handle

4.3. 9175 WIRE INSERTION METHOD – SINGLE WIRE BY HAND

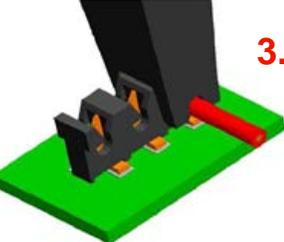


1. Cut and position wire over contact slot

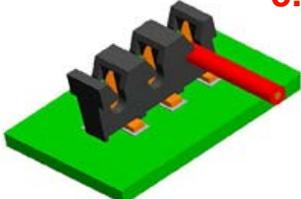
Wire to be flush with or proud of moulding



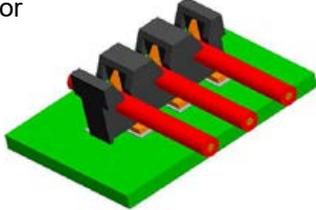
2. Locate end of tool over wire and align to slot in connector



3. Push down on tool until wire is pressed to bottom of slot



5. Remove tool from connector and wire



4. Repeat for all wires as necessary

Typical insertion force is approximately 70N per wire, this is dependent on the wire gauge, number of conductor strands and insulation material.

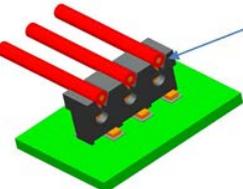
Please note that the PCB should be supported directly under the wire being terminated.

4.4. 9175 MASS TERMINATION INSERTION TOOLING



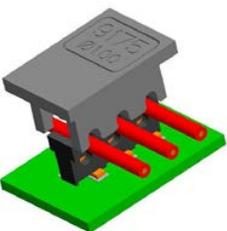
Metal Insertion blocks for 2 & 3way connectors
Maximum insulation diameter 1mm for 26AWG and 28AWG wires

4.5. 9175 WIRE INSERTION METHOD – MASS TERMINATION



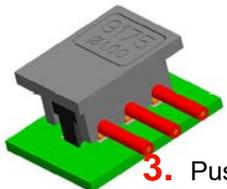
1. Cut and position wires to all contact slots

Wire to be flush with or proud of moulding

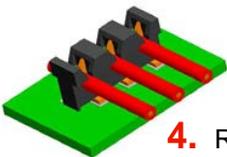


2. Locate mass termination block over wires and connector

Please note that the PCB should be supported directly under the wires being terminated.

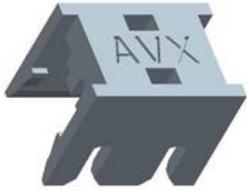


3. Push down on termination block using a hand/air press



4. Remove block from connector and wires

4.6. 9175 CAP ASSEMBLY

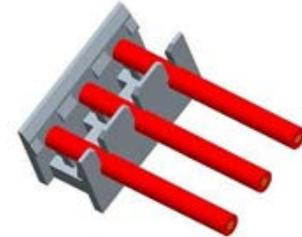
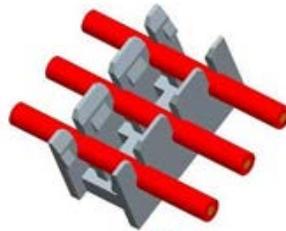


9175 Cap: Available in 2way and 3way with through wire and wire stop options.

Through Wire Version

Wire Stop Version

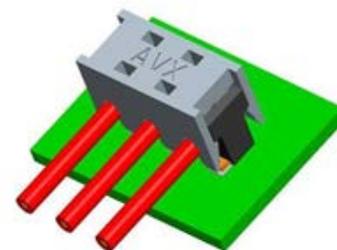
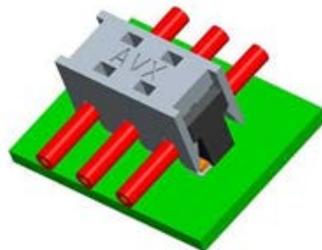
1. Push wires into cap slots (slots grip wires)



2. Offer the pre-assembled wire/cap assembly above the connector



3. Push down on cap until clips latch on the connector



Please note that the PCB should be supported directly under the wires being terminated.