Rt12100-rs485 communication cable production process

Connection diagram:
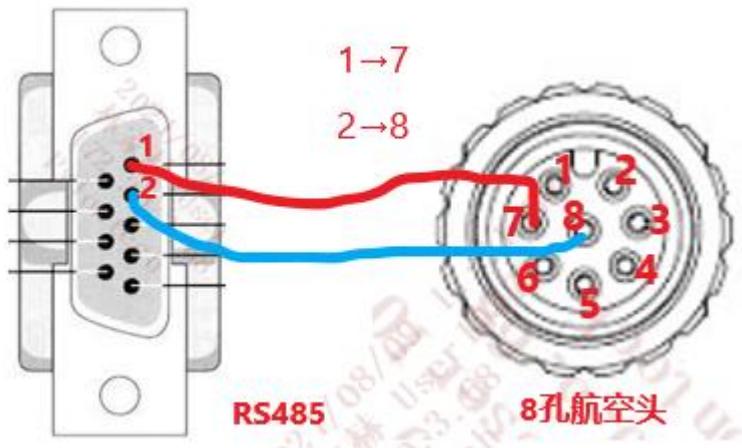
Production process (Amphenol aviation head - DB9 interface) :

①Prepare a network cable with one end connected to the Amphenol aviation plug.First peel off the black skin, about 3-4cm in length.The colors of lines 1-8 are defined as white orange, orange, white green, green, white blue, blue, white brown, and brown.

②Peel off about 5mm wire skin of each wire end to expose the copper wire inside, and cut the wire sequence 8 (brown in the picture) about 5mm short.
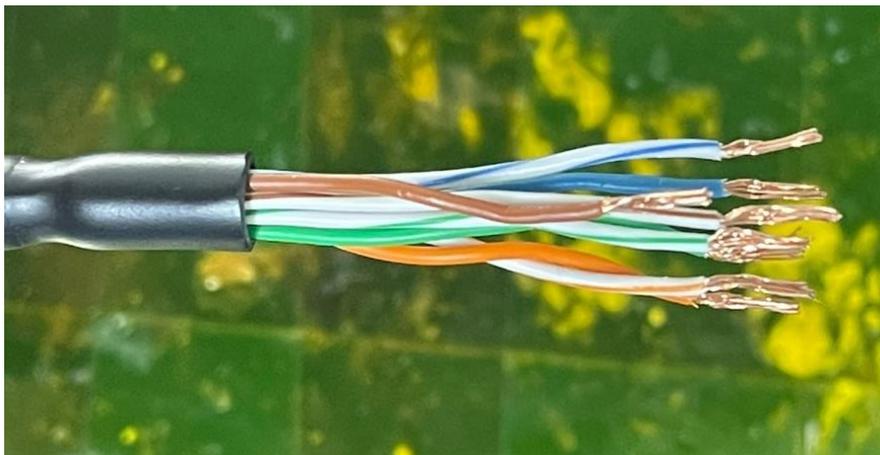

③Confirm the serial number of amphenol air port, in which the serial number on the left and right side of the gap is 1 and 2 respectively.

④Place all parts of amphenol head as shown.

⑤Insert 8 wires into the connecting port of corresponding serial number respectively and lock them with screws. Pay attention to insert part of wire skin into the interface, so that the lock can be tighter.
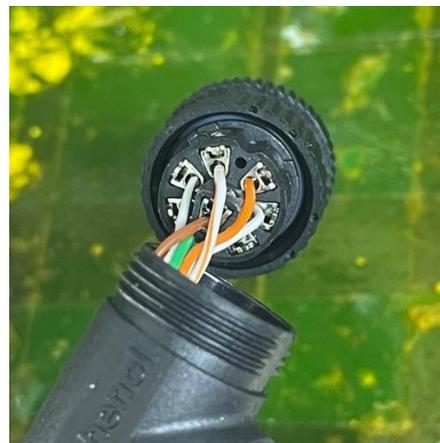
⑥Screw the screws on both sides of the aviation mouth respectively tight, amphenol aviation head end production is completed.

⑦Connect the other end of the network cable to the DB9-RJ45 connector.First, peel off the black wire with a length of 3-4cm, and cut off the wire except for the wire ends with sequence 7 and 8. The white, brown and brown lines are left according to the previous sequence definition rules.

⑧Peel off the two ends of the wire, about 5mm in length, and cover the copper wire with tin.

⑨Cover the two wires with heat shrinkable tubes (the heat

shrinkable tubes should not be too long to avoid heat shrinkage during welding), and footnote tin to no. 1 and 2 of the DB9-RJ45 connector.

⑩Weld wire no. 7 (white and brown in the figure) to pin No. 1 of DB9-RJ45, and wire No. 8 (brown in the figure) to pin No. 2 of DB9-RJ45. After welding, move the heat shrinkable tube up to the wrapping pin and shrink it with a heat gun.

①①Put the welded joint into the shell, as shown in the picture, and fix the shell with screws after the placement.

Production process (Amphenol aviation head - DB9 connecting small board interface) :

Amphenol aviation head part of the production process refer to the above process -.①⑥

①Line sequence confirmation and stripping refer to the

previous procedure -.①⑥
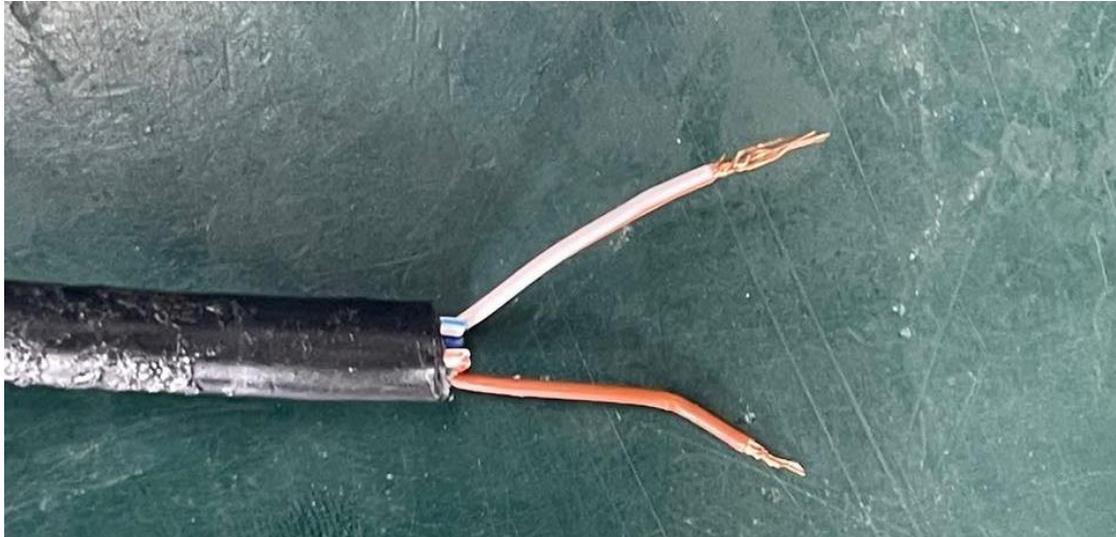
②Put line 7 (white and brown in the picture) into port 1, and

line 8 (brown in the picture) into port 2, and screw the

connecting port tightly.