BELDEN

PPXXUK-Y

RFID Panel Upgrade Kit (Antenna)

User Guide

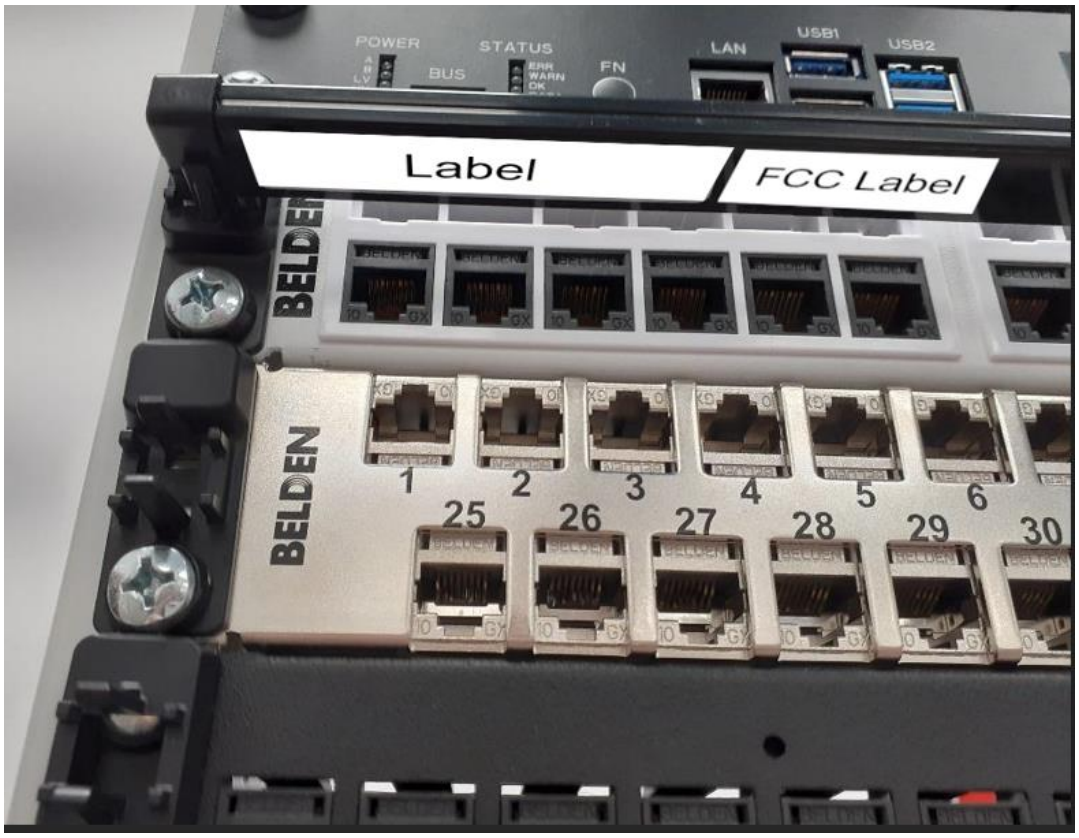
Version 1.0

1 Mounting intelligent panels

- Loosen the lower mounting screws of the panel

- Slide the antenna holder from the top under the loosened screw

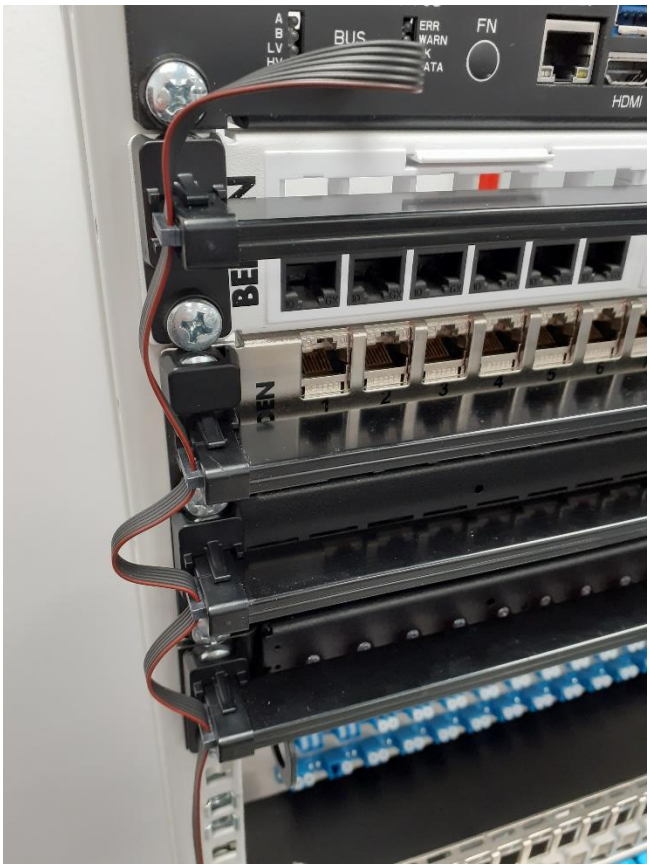
- Clip the antenna into the holder, align it properly, and tighten the mounting screws.
    - The product label of the antenna is positioned at the bottom left when installed correctly.



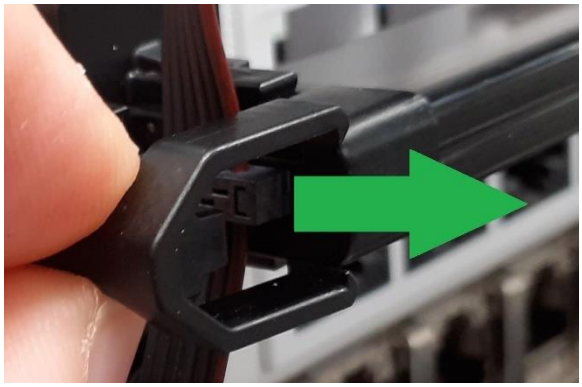
2 Connecting antennas to the rack manager

- Crimp the bus cable with Belden crimping tool.
- The bus cable should end with a 180° bus connector at both ends
- For each antenna and for the rack manager if not mounted at the top or bottom of the rack, a 90° connector is required
- If the rack manager is in top or bottom position in the rack it can be directly connected to the end of the cable
- If not, the bus termination at each end of the cable are recommended for performance reasons

- Position the bus connectors on the cable according to the distance between the antennas
    - Leave some reserve so that the cable is not subjected to tensile stress

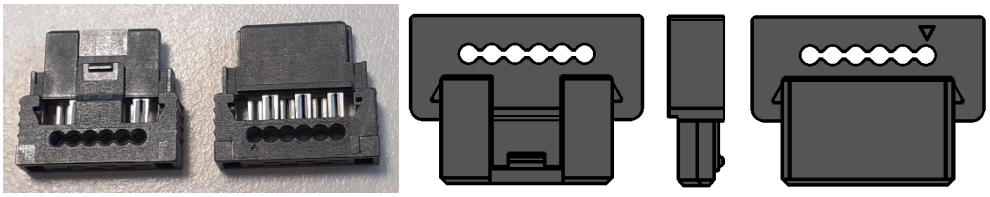


- Install the bus cable clip on each antenna

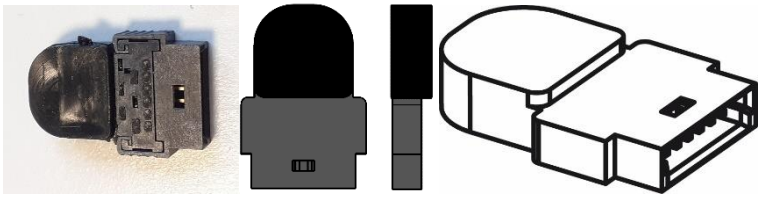


3 Connector types

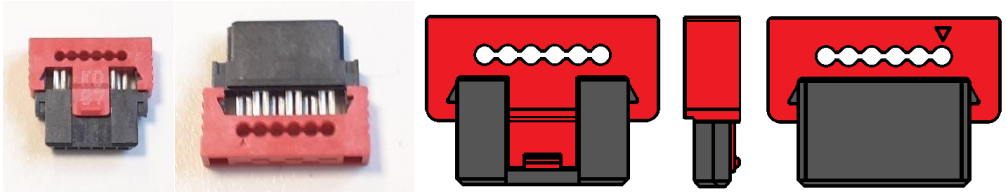
Bus connector, 6 pin, female, 90°, non-locking, black, 1.27mm pitch (AWG26/7)



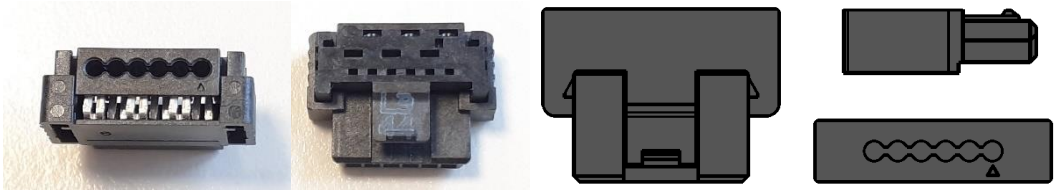
Bus termination, 6 pin, male, 180°



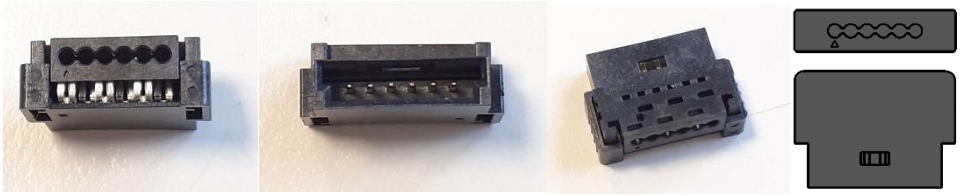
Bus connector, 6 pin, female, 90°, locking, red, 1.27mm pitch (AWG26/7)



Bus connector, 6 pin, female, 180°, black, 1.27mm pitch (AWG26/7)

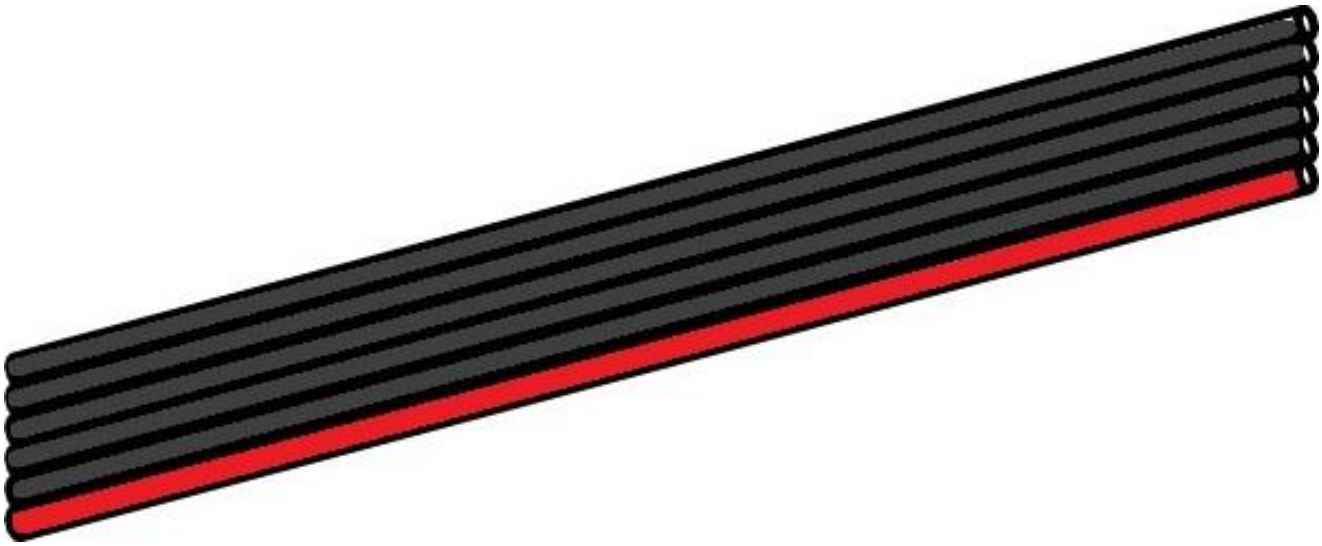


Bus connector, 6 pin, male, 180°, black, 1.27mm pitch (AWG26/7)

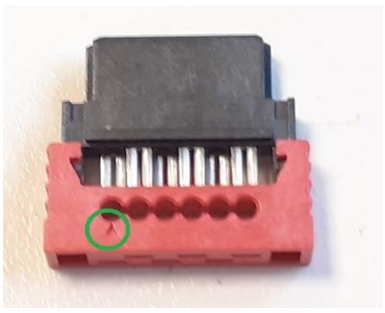


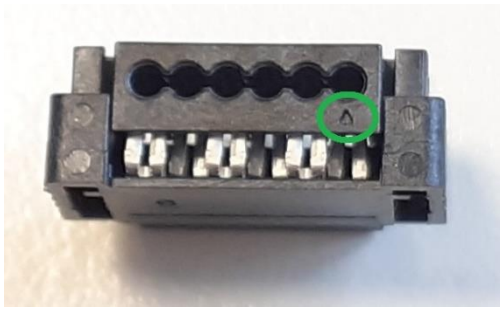
4 Assembly

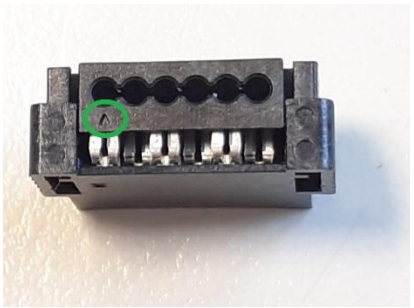
Bus cable



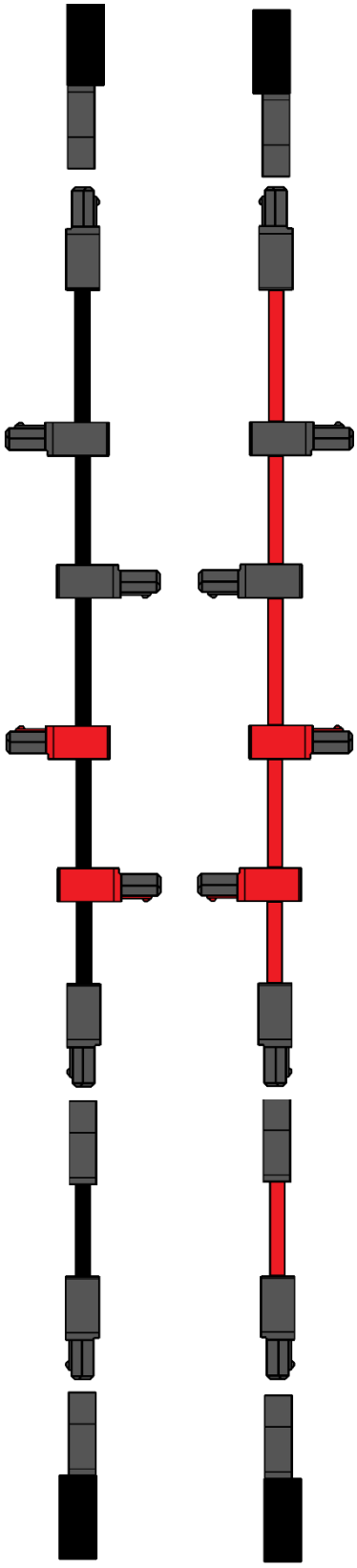
- the first wire of the cable is colored red
- For each connector, the first contact is marked with a triangle in the cable entry area
- <u>The plugs must be pushed onto the cable so that the triangles point to the red wire</u>







5 Correct direction of connector regarding cable



6 FCC Compliance Statement

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.
Changes or modifications made to this equipment not expressly approved by Belden Inc. may void the FCC authorization to operate this equipment.
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.