



Railway XCNR1 Cross Connection Cabinet

The XCNR1 cabinet is designed as a flexible housing to suit both current and future needs. It accommodates this flexibility by providing for alternative pre-configured and interchangeable mountings to suit requirements. Other configurations are also easily accommodated depending upon requirements.

Cabinet Construction

Cabinet is manufactured from stainless steel, measuring 580x500x1805mm (WDH) and of all welded construction. All joints and larger panels (e.g. sides) are reinforced for mechanical strength and resistance to vibration. Typically the finish is polyester powder colour BS4800:00A09 (Flint Grey) and is provided for decorative purposes only.

Cross Connect 208 Pair

Both sides of the cabinet are fitted with two asymmetric width backboards manufactured from high chrome steel, each capable of handling up to 52 pairs. The principle difference between the two is the provision of an extra cable management duct on the broader board. Both boards may be mounted either biased to the left or right of the cabinet opening. The boards are equipped with two lengths of standard 5 mm deep DIN rail of length 1200mm to suit terminals. Between the terminal rails on each board is a jumper ring field with a total of six jumper rings 38A and apertures to enable fore and aft jumper ring. The outer edge of the board contains lengths of standard 1x2 UPVC Betaduct cable channel (both edges on the wider board). Facility exists to mount a standard 19" pattern jumper bar across the top of the two boards

IDC Cross Connect 1500 Pair

Cabinet is fitted front and back with a total of 6x 52 way frame mountings to suit IDC (Krone 237a LSA-Plus) type 10 pair modules.

Certificate of Acceptance Network Rail Certificate of Acceptance No: PA05/02740

Scope of Acceptance: XCNR1 cabinet may be used to provide an IP55 non-climate controlled trackside accommodations for telecommunications copper cable terminations on approved termination practices.

Part Numbers and PADS:

Cabinet Only:
 Passcomm PN. **CAB-XC1-55/3**
 PADS No. **087/007525**

Half location concrete base only:
 Passcomm PN. **CAB-HLC-CBK**
 PADS No. **087/007526**

Cabinet and Half location concrete base:
 Passcomm PN. **CAB-XC1-55/3-B**
 PADS No. **087/007527**

Features:

- Cross Connect 208pairs with 104 Pairs per side (Using MX-2000 Connectors)
- IDC Cross Connect 1500 Pairs (Using Krone 237a LSA-Plus Connectors)
- Enclosure Size (WDH) 580x500x1805mm
- Up to 28/29 U-spaces available
- Tested to BS EN 60529 IP55
- Enclosure Weight: 120kg Empty
- Finish Grey BS4800:00A05
- Pitched 'Pent Roof'
- Door hold back bar to minimum of 110degrees
- 3 point locking with extra hole cutout for customer specified locking mechanism
- Document holders provided
- Earth post in base of enclosure
- Protected cable entry and exit through base
- A pre-cut sealing gasket to suit the base footprint is supplied
- Base mounting holes to suit half location concrete base



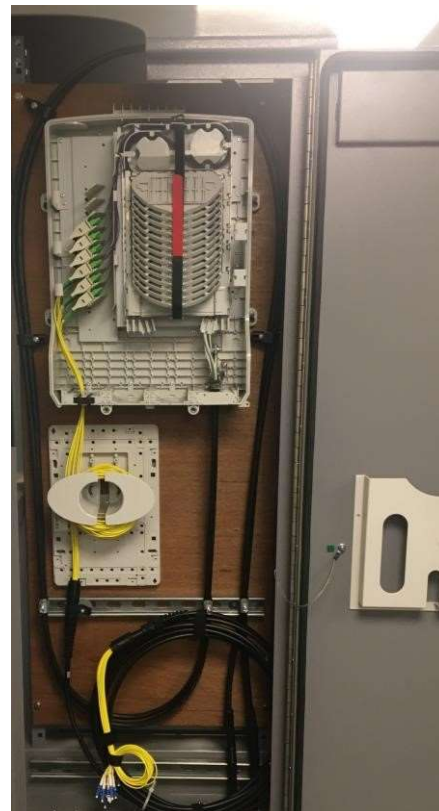
XCNR1 w/ GCO2-F FLAT-FIST

The **XCNR1 with GCO2-F** is a copper and fibre combined cabinet. The copper connections can be accessed from one door and the Unistrut mounted **FIST-GCO2-F** can be accessed, spliced and jointed from the opposite side.

This provides total flexibility for the number of cable entries, number of splices and differing size cables which may be presented. The **GCO2-F** has the capacity for up to:

Single Circuit Splicing: 48 splices on 24 trays.
Single Element Splicing: 144 splices on 12 trays.

In many locations, this configuration of the XCNR1 Removes the requirement for a trackside chamber to house the GCO2-F.



XCNR1 w/ BUDI-M

The **XCNR1 with BUDI-M** is a copper and fibre combined cabinet. The copper connections can be accessed from one door and the marine-ply mounted **BUDI-M** can be accessed, spliced and jointed from the opposite side.

The **BUDI-M** provides capacity for up to 144 splices (single element) and provides space for a looped cable.

This configuration can also utilise the Network Rail PADS accepted **Hydra Assembly** which presents 4F / 8F / 12F on SC/APC pigtails to be connectorised into the BUDI adapter pack. This provides plug and play connectivity at the BUDI and makes installation quicker and easier, reducing time required trackside.