3.5.4 Client access connections (ATM network interface)

3.5.4.1 Optical interface 155 Mbit/s

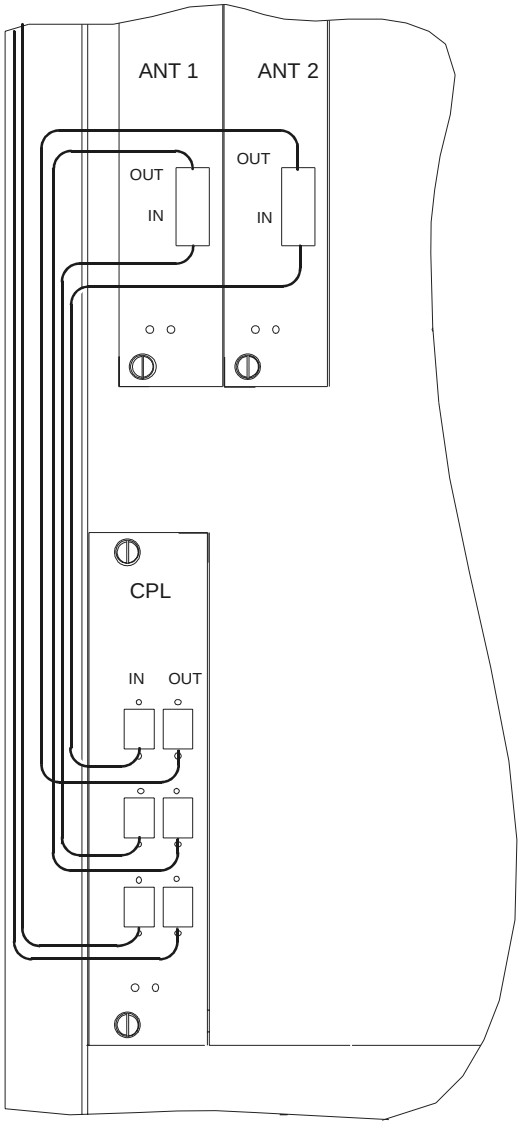

Figure 51 – Fiber optic cables connection

– use the fiber optic connection cables on the ANT and CPL board front panel.

– To avoid damaging the fiber optic cables:

  • insert the jumpers in the direction indicated in *Figure 53 – Fiber optic cables wiring*,

  • connect the fiber optic connection cable, fitted with its SC/PC connector, to the optical coupler board by passing it through the top of the rack and along the cable run provided.

– Use a winding cassette when connecting one or more fiber optic cables of over 10 meters in length (cf. *Figure 52 – DBS fiber optic winding cassettes*).

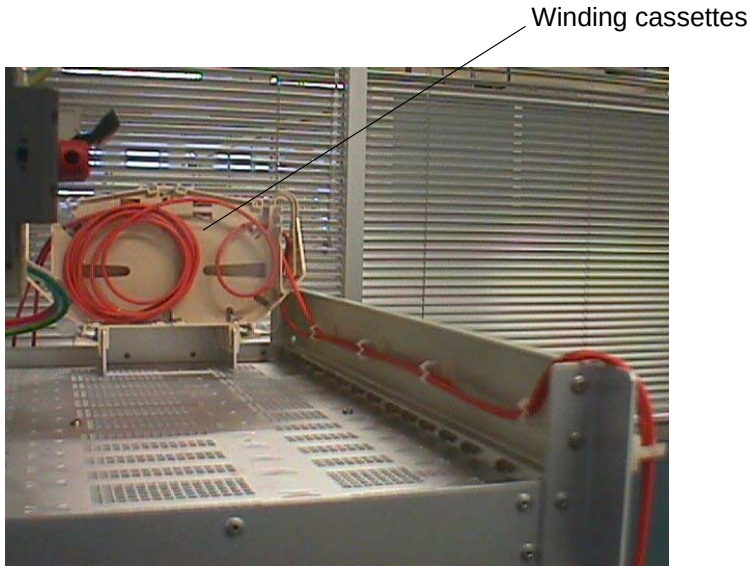

Figure 52 – DBS fiber optic winding cassettes

Stages

1. According to the site configuration, prepare the connection cables and fit them with the required connectors.

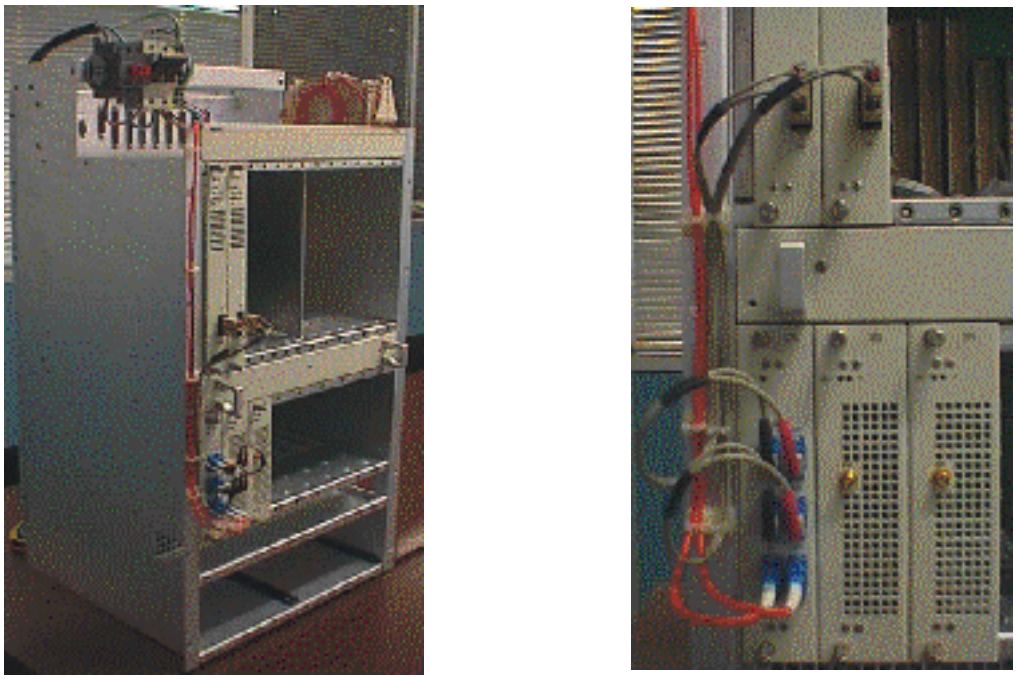

Figure 53 – Fiber optic cables wiring

2. Connect the fiber optic jumpers (see *Figure 51 – Fiber optic cables connection* and *Figure 53 – Fiber optic cables wiring*) and the main cables.

	**DO NOT SET THE FIBER OPTIC IN FRONT OF THE VENTILATION PLUG-IN UNIT: SET IT AS SHOWN IN FIGURE 50.**

3.5.4.2 Interface 34 Mbit/s

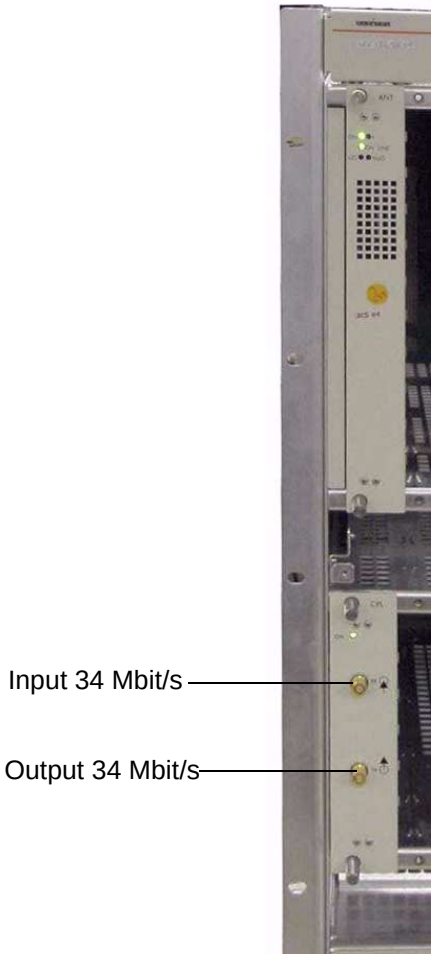

Figure 54 – 34 Mbit/s cables connection

3.5.5 RBS/DBS Connection

- Connect the RBS/DBS cable on the panel located at the top of the rack above the DBS chassis in a standard rack.
- Each coaxial access is linked to an IBS board, via a coaxial cable included in the DBS chassis.

Note: *Special care must be taken to check that each RBS is connected to the correct connector (to each connector corresponds a specific sector).*

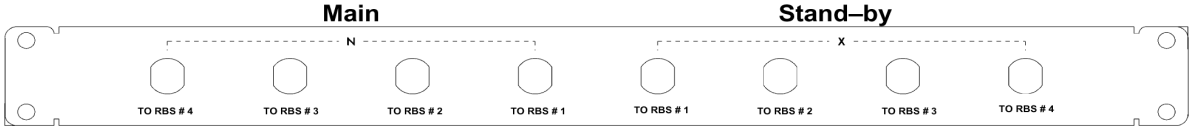

Figure 55 – RBS connection panel

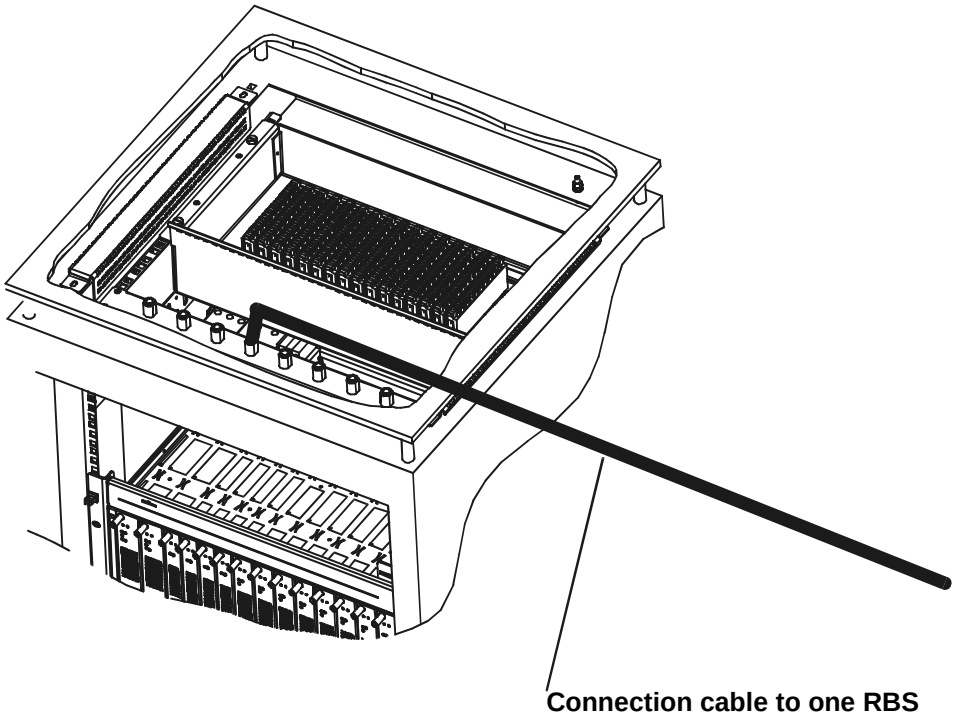

Figure 56 – RBS Connection

3.5.6 Place of the board into the rack

Slots	Type of the elements	Configuration	
		main (1+0)	redundancy (1+1)
1	ANT board	x	
2	ANT board		x
3	TNT boards	x	
4			
5			
6			
7	AMD boards	x	
8			
9			
10			
11	AMD boards		x
12			
13			
14			
15	FAN	x	
16	CPL board	x	
17	IBS boards	x	
18			
19			
20			
21	IBS boards		x
22			
23			
24			
25	Supply assembly PSU 1	x	
26	Supply assembly PSU 2	x	

In the **Configuration - *redundancy (1+1)*** column, "x" means that checked boards are added to initially installed boards (**Configuration - initial *(1+0)*** column).

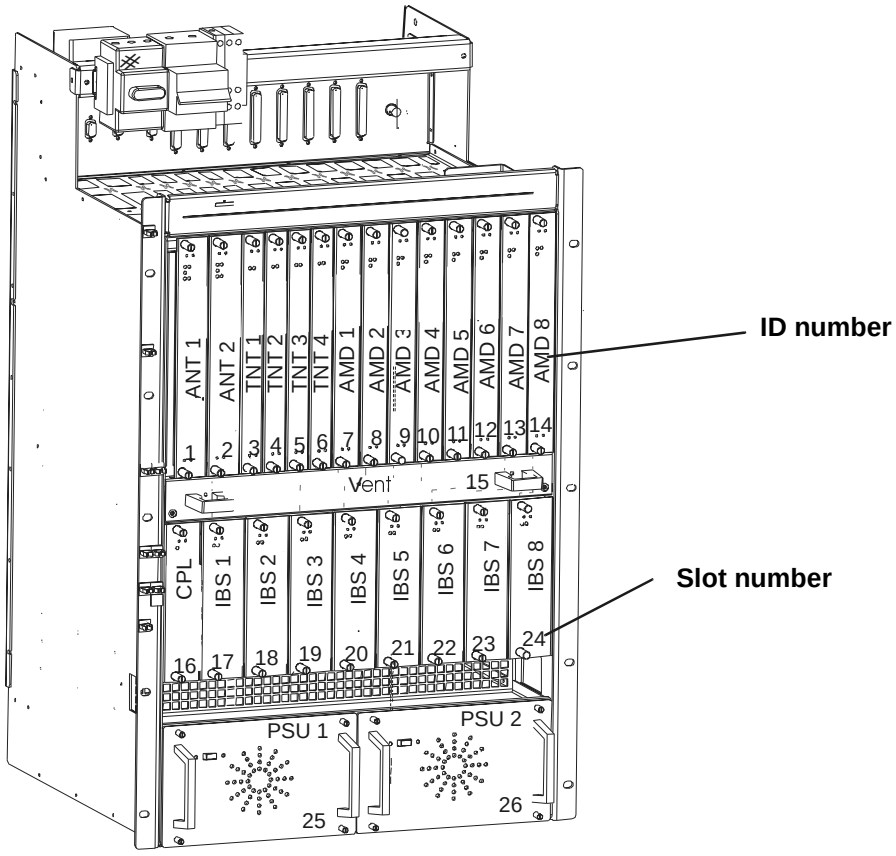

Figure 57 – Place of the boards into the DBS

3.5.7 End of the installation

Replace the (removable) top cover of the rack and secure it.