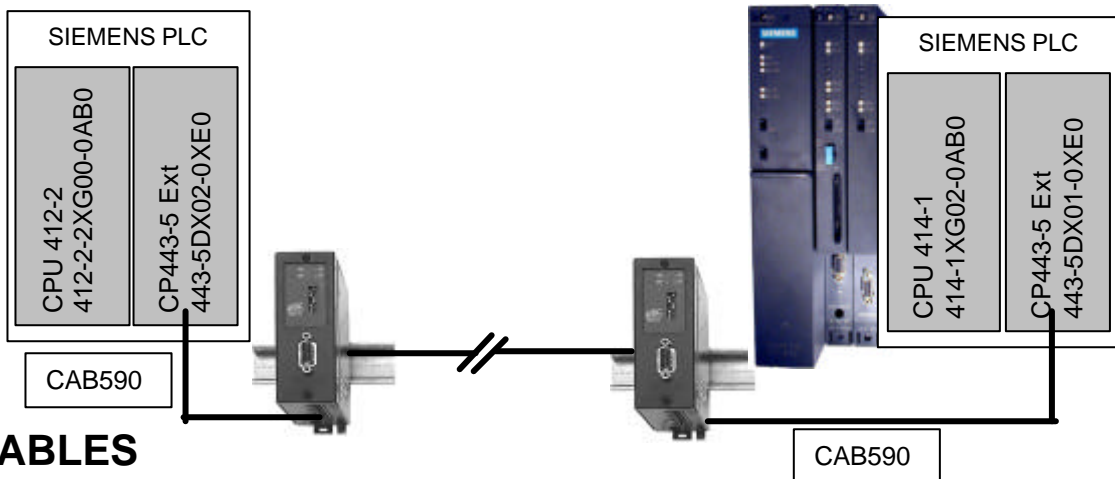


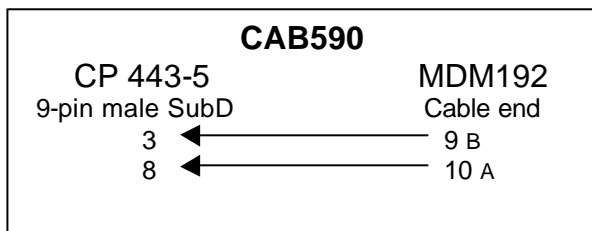
## 1. PURPOSE

To establish a profibus transmission (FDL) between PLCs on a 2-wire dedicated line.

## 2. SYNOPSIS



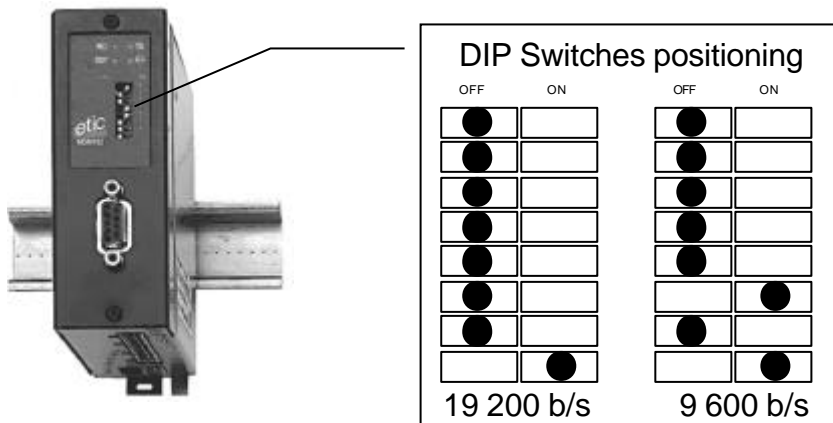
## 3. CABLES



## 4. INSTRUCTIONS

### 4.1. Configuring the modems (MDM 192)

- 1 Configure the modems by positioning the DIP Switches.  
Set the data rate either at 19200 b/s or at 9600 b/s.



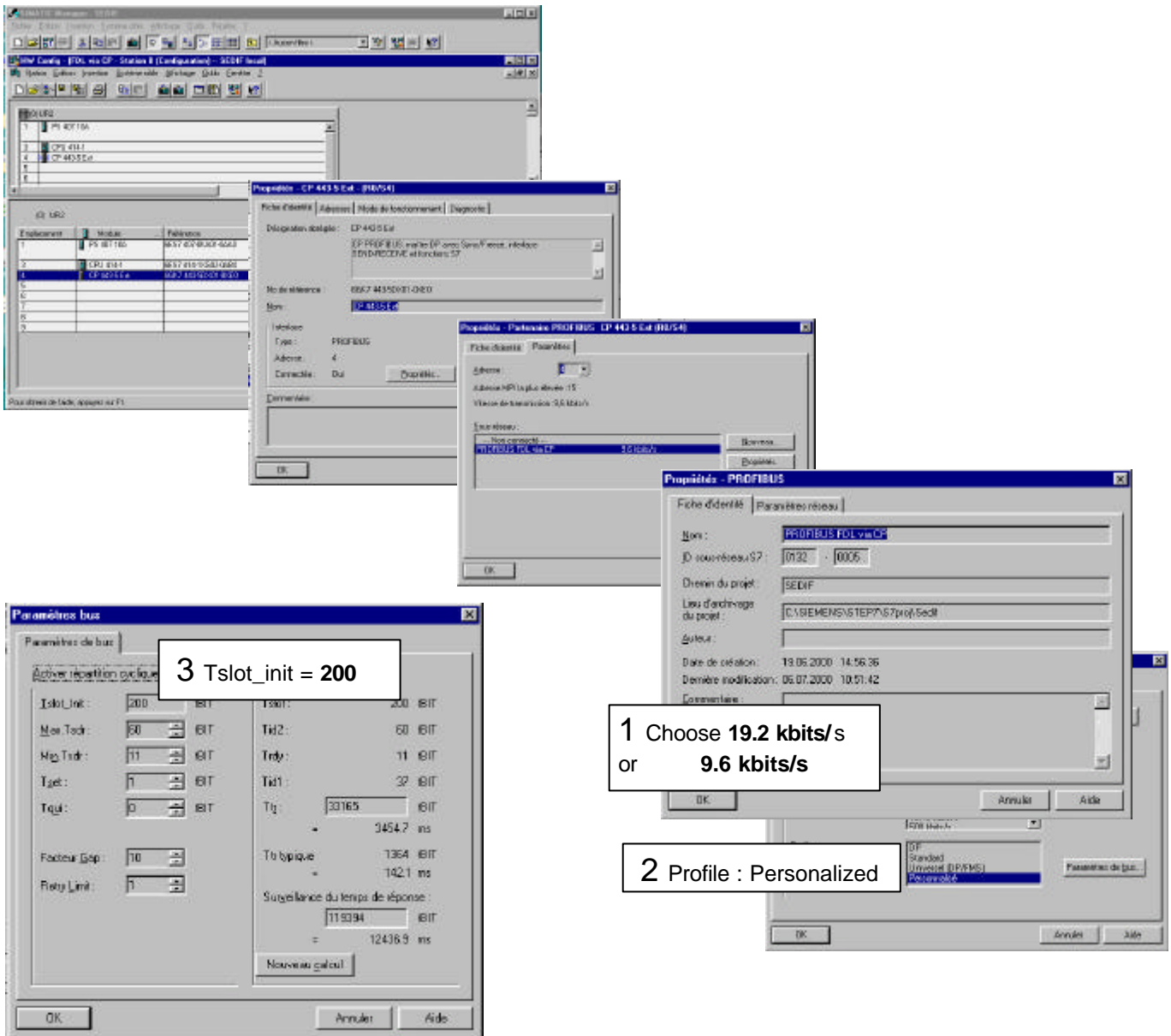
\* refer to user guide at configuration section

## 4.2. Connecting the modems to the PLCs

- 1 Connect the modems to the CP443-5 couplers with the CAB590 cable.

## 4. CONFIGURING THE PLCs

- 1 Open the programming software (SIMATIC Manager) and enter the transmission parameters of the profibus network on each PLC.



The image displays several screenshots from the SIMATIC Manager software interface, illustrating the configuration steps for a Profibus network. The main window shows a project tree with PLCs. Overlaid windows include:

- Propriétés - CP 443-5 Ext. (16/54)**: Shows the device configuration for the CP 443-5 Ext. module, including the address and mode of operation.
- Propriétés - Paramètres PROFIBUS - CP 443-5 Ext. (16/54)**: Shows the Profibus parameters for the CP 443-5 Ext. module, including the address and transmission rate.
- Propriétés - PROFIBUS**: Shows the network parameters for the Profibus network, including the name, address, and transmission rate.
- Paramètres bus**: Shows the bus parameters, including the Tslot\_init value (200) and the transmission rate (19.2 kbits/s or 9.6 kbits/s).

Callouts provide specific configuration values:

- 3 Tslot\_init = 200**: A callout pointing to the Tslot\_init value in the 'Paramètres bus' window.
- 1 Choose 19.2 kbits/s or 9.6 kbits/s**: A callout pointing to the transmission rate selection in the 'Paramètres bus' window.
- 2 Profile : Personalized**: A callout pointing to the profile selection in the 'Propriétés - PROFIBUS' window.