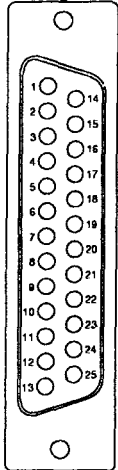


7.1 Pin connections

• Serial link connector pin connections

25 pin female subminiature HE50 connector



Pin number	DESIGN.	FUNCTION
1	PG	Physical ground \perp
2	TXD	Transmission RS 232C
3	RXD	Reception RS 232C
4	A	Transmission RS 422/485 (TXD+)
5	B	Transmission RS 422/485 (TXD-)
6	A'	Reception RS 422/485 (RXD+)
7	SG	COMMON RS 232C (0V)
8	COM	COMMON multidrop address and ADJUST (pins 12, 14 to 17, 19 and 24)
9	RXD+	Current loop reception, isolated
10	RXD-	Current loop reception, isolated
11		Reserved
12	REG	Select ADJUST MODE
13		Reserved
14	B0	Address of UNI-TELWAY multidrop terminal (binary 1)
15	B1	Address of UNI-TELWAY multidrop terminal (binary 2)
16	B2	Address of UNI-TELWAY multidrop terminal (binary 4)
17	B3	Address of UNI-TELWAY multidrop terminal (binary 8)
18	B'	Reception RS 422/485 (RXD-)
19	B4	Address of UNI-TELWAY multidrop terminal (binary 16)
20	TXD+	Current loop transmission, isolated
21	TXD-	Current loop transmission, isolated
22	SG	COMMON RS 422/485 (0V isolated)
23		Reserved
24	PAR	UNI-TELWAY multidrop address parity
25		Reserved

IN ORDER TO ENSURE GOOD ELECTRICAL CONNECTION, FIX THE SERIAL LINK CABLE CONNECTOR IN PLACE WITH THE TWO BOLTS

• Supply

+	-	\perp
POWER SUPPLY		PG (physical ground)
24 V ===	0 V ===	

WARNING :
BEFORE MAKING A CONNECTION, CHECK THE CORRESPONDENCE BETWEEN THE TERMINAL PINS AND THE ASSOCIATED CONTROL SYSTEM, OTHERWISE DAMAGE MAY BE CAUSED ON POWER-UP AND THE GUARANTEE RENDERED NULL AND VOID

7 Connections

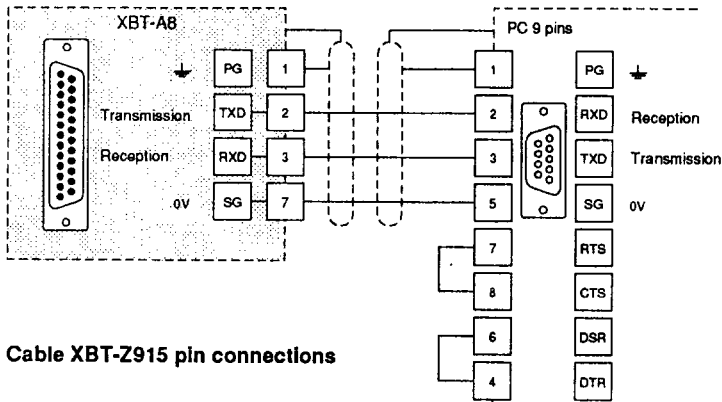
7.2 Connections to PC-PS/2 computer

The XBT-A8 terminal is connected to a PC-PS/2 for operations on the XBT-A8 message memory (creating, storing, modifying or transferring) with XBTEL software.

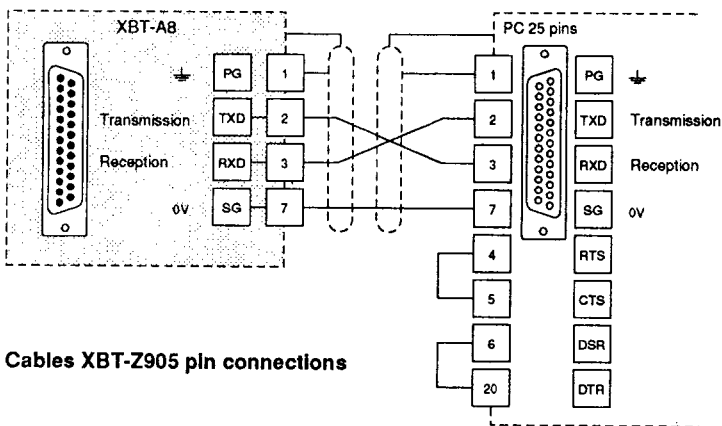
**ONLY THE RS 232C STANDARD MAY BE USED.
ANY OTHER TYPE OF CONNECTION ABSOLVES TELEMECANIQUE
FROM THE TERMS OF THE GUARANTEE IN THE EVENT OF DAMAGE**

With XBTEL the communication parameters cannot be modified (RS 232C).
Connection is made at the PC serial port (COM 1).

Serial port connector PC-PS/2	Cables	
	Ref. number	Length
9-pin male	XBT-Z915	2.50 m
25-pin female	XBT-Z905	
25-pin male	XBT-Z9052	



Cable XBT-Z915 pin connections

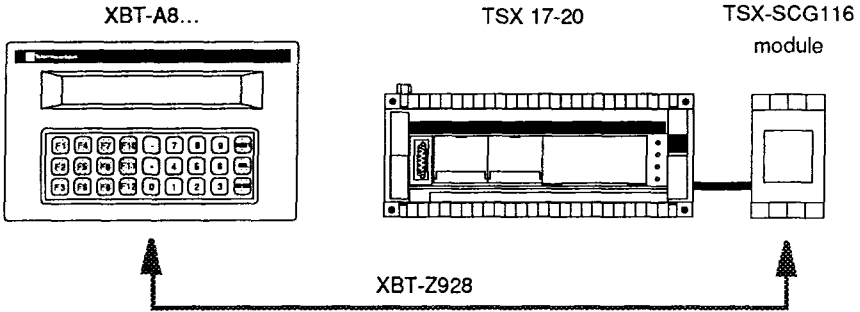


Cables XBT-Z905 pin connections

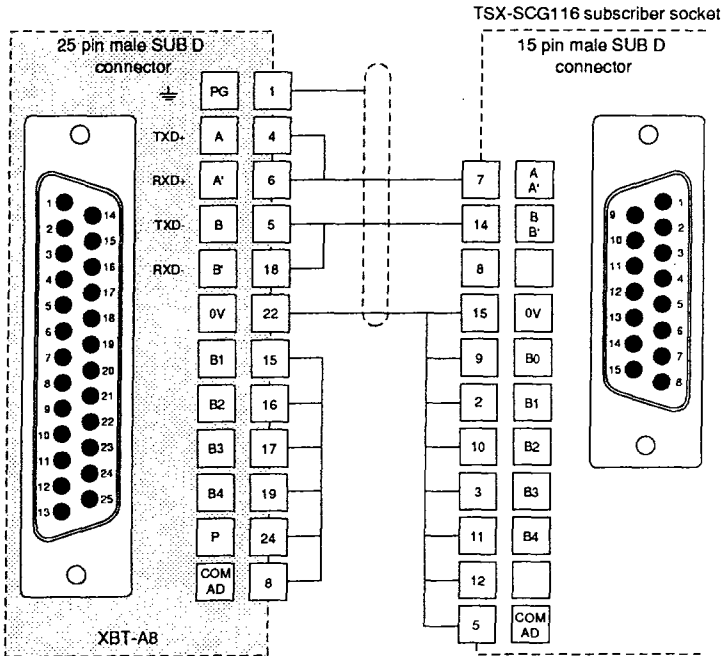
7.3 Connections to the UNI-TELWAY bus

• Connecting the XBT-A8 to the TSX-SCG116 module

In the case of a UNI-TELWAY point-to-point link with TSX 17-20 between a TSX-SCG116 master module and an XBT-A8, use a 5 m cable, type XBT-Z928.



Cable XBT-Z928 pin connections



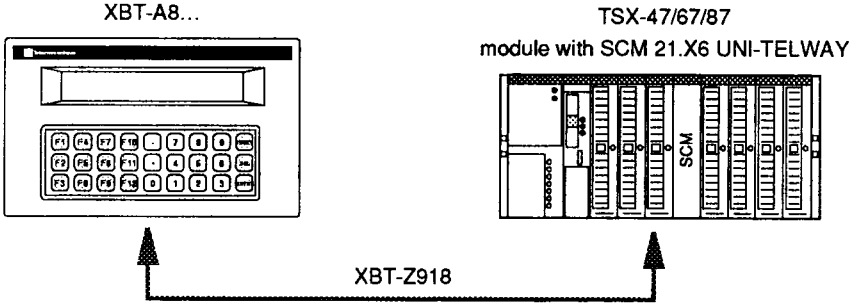
THE ADDRESSES FIXED BY THE XBT-Z928 CABLE ARE :
 0 FOR THE TSX-SCG116 MODULE
 1 FOR THE XBT-A8 TERMINAL

7 Connections

Connections to the UNI-TELWAY bus

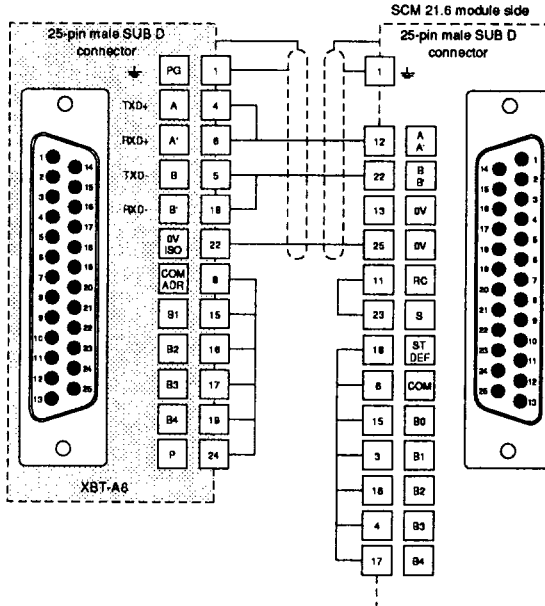
• Connecting the XBT-A8 to the SCM 21.X6 module

In the case of a UNI-TELWAY point-to-point link with (TSX47/67/87) between an SCM 216 master module and an XBT-A8 slave, use a 5m XBT-Z918 cable.



Connecting the XBT-Z918 cable : end of cable with XBT-Z918 reference to be connected to the XBT.

XBT-A8s have an RS 485 serial interface which conforms to the physical layer.



THE ADDRESSES ALREADY INCORPORATED
IN THE XBT-Z918 CABLE ARE :
0 FOR THE TSX SCM 21.6 MODULE
1 FOR THE XBT-A8 TERMINAL

7 Connections

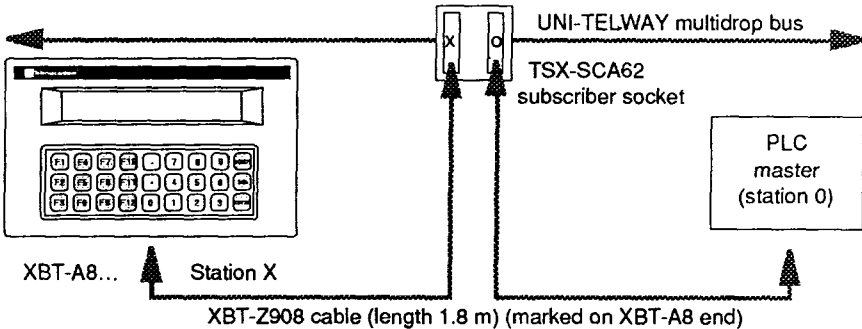
Connections to the UNI-TELWAY bus

• Connecting the XBT-A8 to an SCA62 subscriber socket

In the case of a UNI-TELWAY multidrop link between the XBT-A8 and a TSX-SCA62 type subscriber socket, use a 1.8 m XBT-Z908 cable.

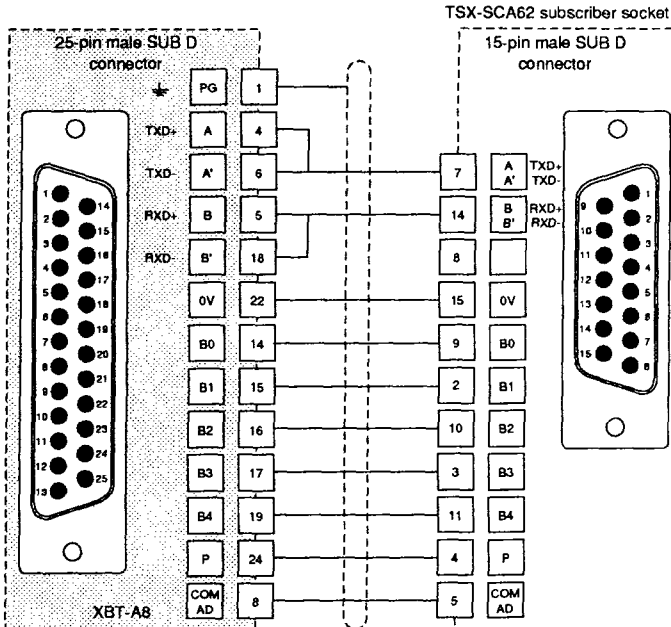
THE XBT-A8 ADDRESS BETWEEN 1 AND 31 IS CODED BY POSITIONING THE MICRO-SWITCH INSIDE THE TSX-SCA62 SUBSCRIBER SOCKET

THE XBT-A8 OCCUPIES 2 ADDRESSES ON THE BUS (THE CODED ADDRESS AND THE CODED ADDRESS +1)




The TSX-SCA62 subscriber socket should be coded 0 for communication with the TSX7 PLC master.

Cable XBT-Z908 pin connections



7.4 Test connectors

During CONFIGURATION, selection of the TEST procedure enables the user to check that the XBT-A8 terminal sub-assemblies are in good working order, in particular the physical links and the addresses.

Before starting to test a particular link (RS 232C, 20 mA current loop, RS 422), or the terminal addresses, place the relevant test connector on the serial port (to be wired as shown below). The test is then set in motion by pressing .

