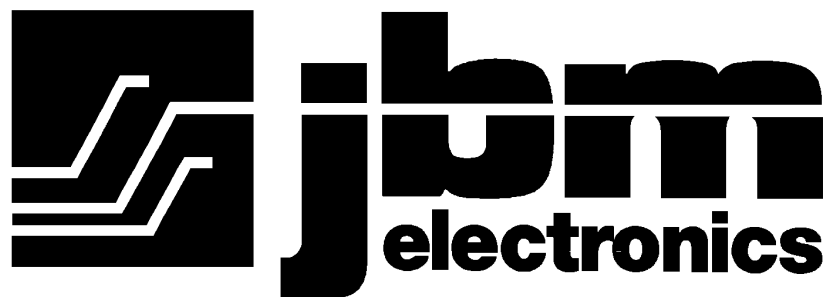


# Cables

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**C20 through C21**



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## **FCC Notice**

Warning: This equipment generates, uses, and can radiate radio frequency energy; and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case, the user, at his own expense, will be required to take whatever measures may be required to correct the interference.

The Gateways are listed by a Nationally Recognized Testing Laboratory.

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## **NOTICE:**

Specifications described in this manual are  
subject to change without notice.

Gateway 40 - 940 Cables

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**C20 –C21**

<b>Port</b>	<b>Cable Description</b>	<b>Cable Order Number</b>	<b>Table</b>
<b>Serial</b>			
DE-9M RS232 DTE async (Comport)	9F to 9M DCE Cable 6foot	C/9SF-9M-DCE-6'	Pg. 3
	9F to 25M DCE Cable 6foot	C/9SF-25M-DCE-6'	Pg. 3
	9F to 9F Straight Gender Changer	C/9FF-XGENDER	Pg. 4
	25F to 25F Straight Gender Changer	C/25FF-XGENDER	Pg. 4
<b>LAN</b>			
RJ-45 Ethernet	RJ-45 Straight	N/A	Pg. 5
	RJ-45 Crossed	C/CAT5-CROSS	Pg. 5
<b>Modem</b>			
RJ-11 Dial-Tone async	RJ-11 Straight	N/A	Pg. 6

**9F to 9M/F (DCE)**

This table lists the required RS-232 wiring required to provide a DCE interface for a Gateway Comm. Port. The pins should be connected from one connector to the other using the transpositions indicated. This cable is used for modem emulation.

<b>9-Pin Female to 9-Pin Male</b>		
<b>To JBM Device</b>	<b>DIRECTION</b>	<b>To Async Device</b>
1 tied to 6	←	4
2	←	3
3	→	2
4	→	6 tied to 8
5	GND	5
-	-	-
7	→	1
8	←	7
-	-	-
<i>Converts Com Port to DCE</i>		

**Units Supported**

- **C20**

JBM Electronics Part Number: **C/9SF-9M-DCE-6'**

**9F to 25M/F (DCE)**

This table lists the required RS-232 wiring required to provide a DCE interface for a Gateway Comm. Port. The pins should be connected from one connector to the other using the transpositions indicated. This cable is used for modem emulation.

<b>9-PIN FEMALE TO 25-PIN MALE</b>		
<b>JBM Device</b>	<b>DIRECTION</b>	<b>Async Device</b>
1 tied to 6	←	20
2	←	2
3	→	3
4	→	5 tied to 6
5	GND	7
-	-	-
7	→	8
8	←	4
-	-	-
<i>Converts Com Port to DCE</i>		

**Units Supported**

- **C20**

JBM Electronics Part Number: **C/9SF-25M-DCE-6'**

### 25F to 25F Gender Changer

This is used to change a 9-pin male end connector to female.



#### Units Supported

- C20

JBM Electronics Part Number: **C/9FF-XGENDER**

### 25F to 25F Gender Changer

This is used to change a 25-pin male end connector to female.



#### Units Supported

- C20

JBM Electronics Part Number: **C/25-XGENDER**

## RJ-45 Straight

This table lists the Ethernet pins used in the Ethernet Port ETH0. For a straight-wired connection the pins should be connected from one connector to the other without transpositions or other wiring changes.

<b>TABLE C STRAIGHT 10/100BASET</b>	
<b>PIN</b>	<b>DESCRIPTION</b>
1	TD+
2	TD-
3	RD+
4	-
5	-
6	RD-
7	-
8	-
Used for HUB or Switch	

### Units Supported

- C20
- C21

JBM Electronics Part Number: N/A

## RJ-45 Crossed

This table lists the required Crossed-Wired Ethernet wiring required to provide cable connection to the Gateway and a local PC. The pins should be connected from one connector to the other using the transpositions indicated.

<b>TABLE D CROSSED 10/00BASET</b>	
<b>CONNECTOR A</b>	<b>CONNECTOR B</b>
1	3
2	6
3	1
-	-
-	-
6	2
-	-
-	-
Used for direct PC connection	

### Units Supported

- C20
- C21

JBM Electronics Part Number: C/CAT5-CROSS

## RJ-11 Straight

This table lists the required pins used in the Modem cable used to connect the Gateways to an asynchronous modem. Pins should be connected from one RJ-11 connector to the other without transpositions or other wiring changes.

RJ-11 MODEM CABLE	
PIN	DESCRIPTION
1	Unused
2	Tip
4	Ring
5	Unused
Used for connecting a modem to the C21	

### Units Supported

- C21

JBM Electronics Part Number: N/A