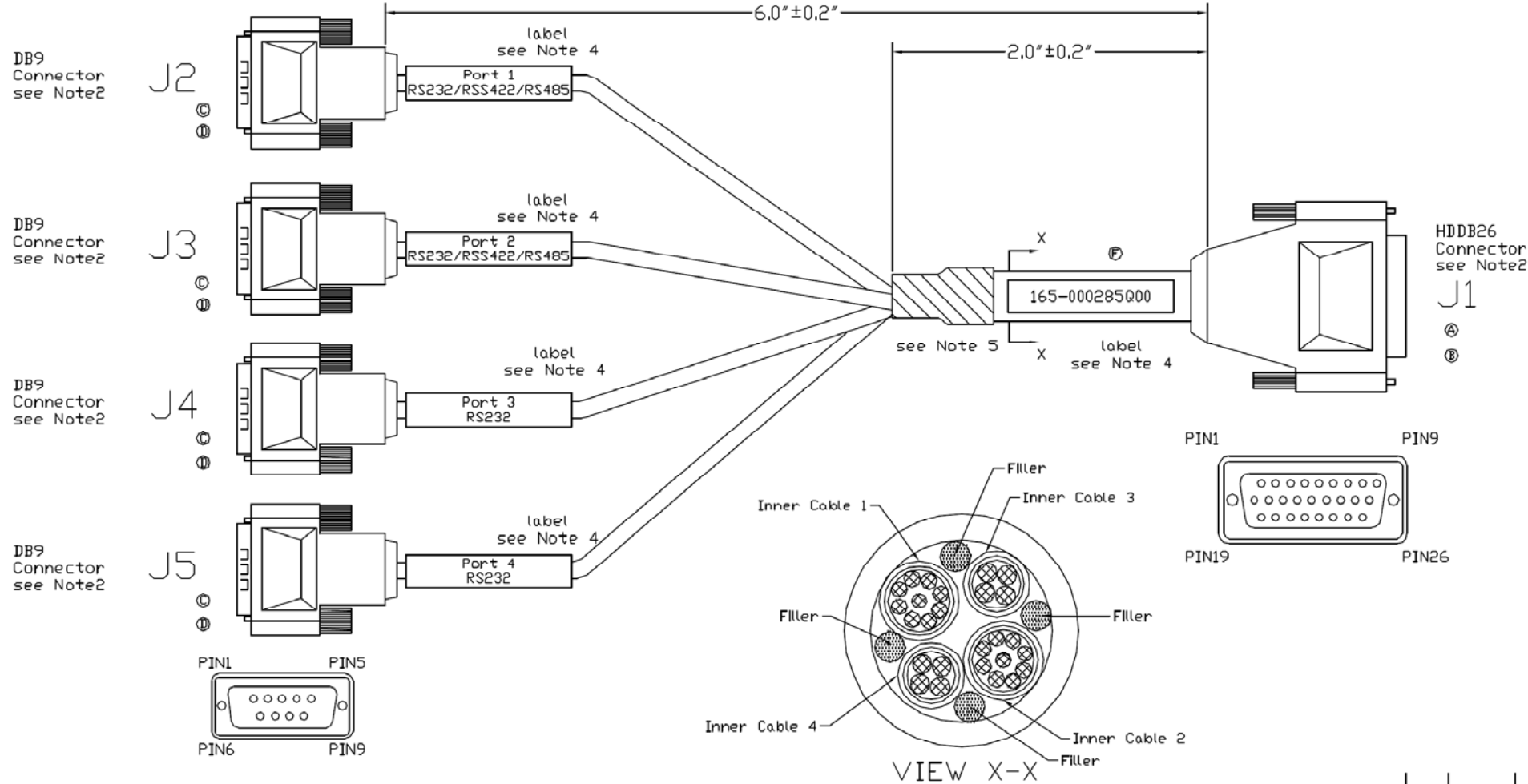


CENTRIO SERIAL BREAKOUT CABLE

FIGURE 1: CABLE ASSEMBLY

HARDWARE USED		
REF	DESCRIPTION	QTY
(A)	1658679-1, HDDB26	1
(B)	3-747579-6, Ferrule for HDDB26	1
(C)	1-747944-5, DB9	4
(D)	3-747579-0, Ferrule for DB9	4
(E)	1658670-1, Pin contact	26
(F)	Black Cable Wire	-
(G)		
(H)		



CENTRIO SERIAL BREAKOUT CABLE

TABLE I: PIN ASSIGNMENTS

J1 Ⓐ	J2/J3/J4/J5 Ⓐ	CABLE Suggested color. Can use different ones.	WIRE	DESCRIPTION	PORT
1 3 19 4 5 6 2 20 9 pair	J2 - 1 J2 - 2 J2 - 3 J2 - 4 J2 - 5 J2 - 6 J2 - 7 J2 - 8 J2 - 9	1 - BLACK 1 - BLACK 1 - BLACK 1 - BLACK 1 - BLACK 1 - BLACK 1 - BLACK 1 - BLACK 1 - BLACK	BLACK BROWN RED ORANGE YELLOW GREEN BLUE PURPLE GRAY	GND PORT1_RS232_RX_RS422_RS485_TX- PORT1_RS232_TX_RS422_RSS485_RX+ GND GND GND PORT1_RS422_RS485_TX+ PORT1_RS422_RS485_RX- GND	PORT 1 SMPTE 207M TRIUTARY/RS232 DTE - DB9 MALE Connect to Router using NULL modem cable (Male to Male)
18 7 21 14 13 12 8 22 11 pair	J3 - 1 J3 - 2 J3 - 3 J3 - 4 J3 - 5 J3 - 6 J3 - 7 J3 - 8 J3 - 9	2 - GRAY 2 - GRAY 2 - GRAY 2 - GRAY 2 - GRAY 2 - GRAY 2 - GRAY 2 - GRAY 2 - GRAY	BLACK BROWN RED ORANGE YELLOW GREEN BLUE PURPLE GRAY	GND PORT2_RS232_RX_RS422_RS485_TX- PORT2_RS232_TX_RS422_RSS485_RX+ GND GND GND PORT2_RS422_RS485_TX+ PORT2_RS422_RS485_RX- GND	PORT 2 SMPTE 207M TRIUTARY/RS232 DTE - DB9 MALE Connect to Router using NULL modem cable (Male to Male)
23 24 16 15	J4 - 2 J4 - 3 J4 - 5 J4 - 9	3 - BLACK 3 - BLACK 3 - BLACK 3 - BLACK	BLACK BROWN RED ORANGE	PORT3_RS232_RX PORT3_RS232_TX GND GND	PORT 3 RS232 DTE - DB9 MALE Connect to PC or Router using NULL modem cable (Male to Male)
26 25 17 10	J5 - 2 J5 - 3 J5 - 5 J5 - 9	4 - GRAY 4 - GRAY 4 - GRAY 4 - GRAY	BLACK BROWN RED ORANGE	PORT4_RS232_RX PORT4_RS232_TX GND GND	PORT 4 RS232 DTE - DB9 MALE Connect to PC or Router using NULL modem cable (Male to Male)

**** Note:**

Pair means wire connected from connector (i.e. J1 to J2/J3) should be twisted pair or use 2 wires adjacent to each other in wire bundle.

ADDED DETAILS FOR TWISTED PAIR WIRES
INITIAL DESIGN

RLOO
RLOO

T05651
T05623

28 JUL 07
27 JUN 07

B
A

ECO CHANGE DESCRIPTION

DRAWN

ECO

DATE

REV

TITLE

SHEET

2 of 3

165-000285Q00

CENTRIO SERIAL BREAKOUT CABLE

CENTRIO SERIAL BREAKOUT CABLE

NOTES:

1	Connector Wire:  - Manufacturer: UL and CSA approved source - Max temperature: 80°C or higher - Max voltage: 30Vdc or higher - Part Number: UL0276 - (26AWG (7-0.16)TSx(2P+5C)+ADB)X2C +(26AWG(7-0.16)TSX4C+ADB)X2C+MYLAR - Color: Black	5	Cable Wiring - Put heat shrink tubing at the end of the PVC jacket so that the end of cable has a clean finish.
2	Connector:  HDDDB26 - Manufacturer or equivalent - Part Number: 1658679-1 - Shielding Enclosure Kit, plug, size 2, 26 pos DB9  - Manufacturer or equivalent - Part Number: 1-747944-5 - Shielding Enclosure Kit, plug, size 1, 9 pos	6	Testing for shorts and continuity shall be required. No shorts between adjacent pins and between connectors. Continuity verified pin to pin and connector to connector as assigned to Table I.
3	Ferrule:  HDDDB26 - Manufacturer or equivalent - Part Number: 3-747579-6 - Ferrule, outer, shielding hardware DB9  - Manufacturer or equivalent - Part Number: 3-747579-0 - Ferrule, outer, shielding hardware	7	Cable assembly shall be free of hazardous materials including lead and halogens. All materials shall be compliant to European legislation 2002/95/EC (RoHS).
4	Labels shall be permanent and legible.	8	Exposed wiring is not allowed.
		9	Workmanship - Assemblies delivered to Leitch/Harris shall be free of defects and functional as specified in the design. - Manufacturer shall utilize industry best practice for manufacturing these assemblies.