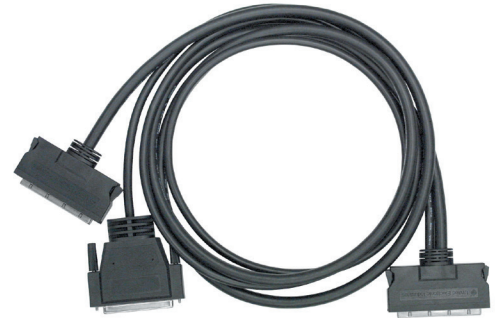


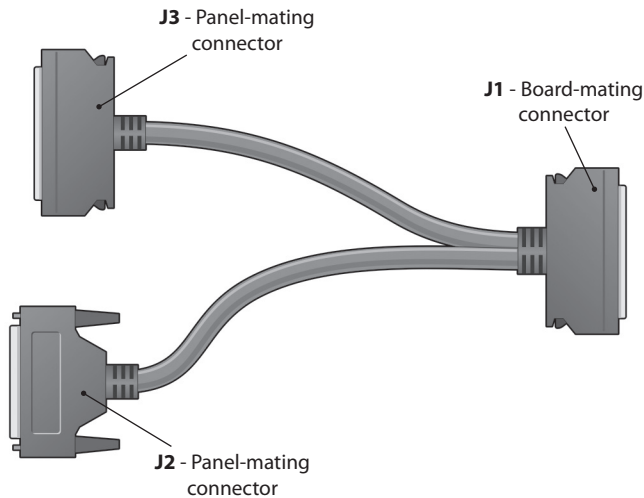
# PDXI-AO-CBL-96

## 96-way, 3ft Y-split round shielded cable with molded covers

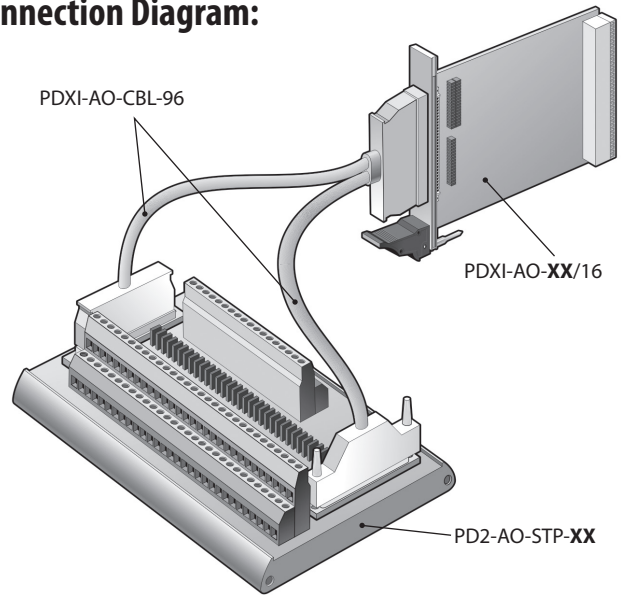
- Designed for PowerDAQ cPCI/PXI analog output cards (PDXI-AO-8/16, PDXI-AO-16/16, PDXI-AO-32/16)
- Carries up to 32 analog output lines, 8 digital input and 8 digital output lines
- Features 96-pin (pinless SCSI) female connector on the board-mating end
- Features 96-pin (pinless SCSI) and 37-pin (DB-37) female connectors on the panel-mating end



### Layout:



### Connection Diagram:



### Pinout Diagrams:

PDXI-AO-CBL-96 cable splits analog and digital signals coming from the PDXI-AO boards between two connectors on a panel-mating side. Signals coming out of J3 and J2 connectors match the signal designations on PD2-AO-STP-16/-32 panels as well as on PD-AO-AMP-100/-115 amplifiers.

#### J1\* — pinless SCSI (female) 96-pin connector:

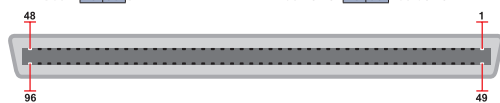
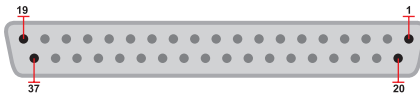
AOUT3 SENSE	1	49	AOUT3
AOUT2 SENSE	2	50	AOUT2
AOUT1 SENSE	3	51	AOUT1
AOUT0 SENSE	4	52	AOUT0
AGND2	5	53	AGND1
AOUT7 SENSE	6	54	AOUT7
AOUT6 SENSE	7	55	AOUT6
AOUT5 SENSE	8	56	AOUT5
AOUT4 SENSE	9	57	AOUT4
AGND4	10	58	AGND3
AOUT11 SENSE	11	59	AOUT11
AOUT10 SENSE	12	60	AOUT10
AOUT9 SENSE	13	61	AOUT9
AOUT8 SENSE	14	62	AOUT8
AGND6	15	63	AGND5
AOUT15 SENSE	16	64	AOUT15
AOUT14 SENSE	17	65	AOUT14
AOUT13 SENSE	18	66	AOUT13
AOUT12 SENSE	19	67	AOUT12
AGND7	20	68	AOUT16
AGND8	21	69	AOUT17
AGND9	22	70	AOUT18
AGND10	23	71	AOUT19
AGND11	24	72	AOUT20
AGND12	25	73	AOUT21
AGND13	26	74	AOUT22
AGND14	27	75	AOUT23
AGND15	28	76	AOUT24
AGND16	29	77	AOUT25
AGND17	30	78	AOUT26
AGND18	31	79	AOUT27
AGND19	32	80	AOUT28
AGND20	33	81	AOUT29
AGND21	34	82	AOUT30
AGND22	35	83	AOUT31
DGND2	36	84	DGND1
EXT CMD	37	85	EXT TRIG
TMR2	38	86	EXT CLK
TMR1	39	87	TMR0
DGND4	40	88	DGND3
DOUT0	41	89	DINO
DOUT1	42	90	DINI
DOUT2	43	91	DIN2
DOUT3	44	92	DIN3
DOUT4	45	93	DIN4
DOUT5	46	94	DIN5
DOUT6	47	96	DIN6
DOUT7	48	96	DIN7

#### J3\* — pinless SCSI (female) 96-pin connector:

NC	1	49	NC
NC	2	50	NC
NC	3	51	NC
AGND1	4	52	NC
NC	5	53	AGND2
NC	6	54	AGND3
AOUT31	7	55	AOUT30
AOUT29	8	56	AOUT28
AOUT27	9	57	AOUT26
AOUT25	10	58	AOUT24
AGND4	11	59	AOUT23
AOUT22	12	60	AOUT21
AOUT20	13	61	AOUT19
AOUT18	14	62	AGND5
AOUT17	15	63	AOUT16
AOUT15	16	64	AOUT14
AOUT13	17	65	AOUT12
AGND6	18	66	AOUT11
AOUT10	19	67	AOUT9
AOUT8	20	68	AOUT7
AOUT6	21	69	AGND7
AOUT5	22	70	AOUT4
AOUT3	23	71	AOUT2
AOUT1	24	72	AOUT0
AGND8	25	73	AGND8
AGND11	26	74	AGND10
AGND13	27	75	AGND12
AGND15	28	76	AGND14
AGND17	29	77	AGND16
AGND18	30	78	NC
NC	31	79	NC
NC	32	80	AGND19
NC	33	81	NC
NC	34	82	NC
NC	35	83	NC
AGND20	36	84	NC
NC	37	85	NC
NC	38	86	NC
NC	39	87	AOUT15 SENSE
NC	40	88	AOUT14 SENSE
AOUT13 SENSE	41	89	AOUT12 SENSE
AOUT11 SENSE	42	90	AOUT10 SENSE
AOUT9 SENSE	43	91	AGND21
AOUT8 SENSE	44	92	AOUT7 SENSE
AOUT6 SENSE	45	93	AOUT5 SENSE
AOUT4 SENSE	46	94	AOUT3 SENSE
AGND22	47	96	AOUT2 SENSE
AOUT1 SENSE	48	96	AOUT0 SENSE

#### J2\* — DB-37 (female) 37-pin connector:

DGND1	1	20	NC
TMR0	2	21	TMR2
NC	3	22	NC
NC	4	23	DGND2
TMR1	5	24	NC
DINO	6	25	DGND3
DINI	7	26	DOUT0
DIN2	8	27	DOUT1
DIN3	9	28	DOUT2
DIN4	10	29	DOUT3
DIN5	11	30	DOUT4
DIN6	12	31	DOUT5
DIN7	13	32	DOUT6
EXT TRIG	14	33	DOUT7
EXT CMD	15	34	NC
EXT CLK	16	35	DGND4
NC	17	36	NC
NC	18	37	NC
NC	19		



Note: Pinout is shown for the cable connected to 32-channel board (PDXI-AO-32/16). For 8- and 16-channel boards this diagram will change according to the pinout of the appropriate board's J1 connector.