50pin miniature ribbon connector to Open-Ended, Shield Cable
PCA50PS-**P

These products are cables for connecting a 50-pin mini-ribbon connector on CONTEC board with other devices.

*The contents in this document are subject to change without notice.

*Visit the CONTEC website to check the latest details.

*The information in the data sheets is as of December, 2023.

* Specifications, color and design of the products are subject to change without notice.

Model

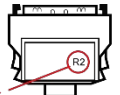| Model	Cable
PCA50PS-0.5P	500 mm
PCA50PS-1.5P	1500 mm
PCA50PS-3P	3000 mm

Specifications

Item	Specification
Connector used	50-pin mini-ribbon connector 0150-6000EL[3M] or equivalent
Cable	50 core shield cable(25pair). Conductor size : AWG#28 Conductor composition : 7pcs/0.127mm UL20276 *1
Round terminal	RAA1.25-3(LF)(NJ)K [JST] or equivalent
Specification of wire Terminals	It lamination-processes in 1.27mm pitch.
Weight	170g(PCA50PS-0.5P), 340g(PCA50PS-1.5P), 590g(PCA50PS-3P)
Standard	CE(RoHS Directive), UKCA

*1: This specification is UL2464, when the "R2" is not printed on the Revision No.

Specification

PCA50PS-0.5P 500mm
PCA50PS-1.5P 1,500mm
PCA50PS-3P 3,000mm
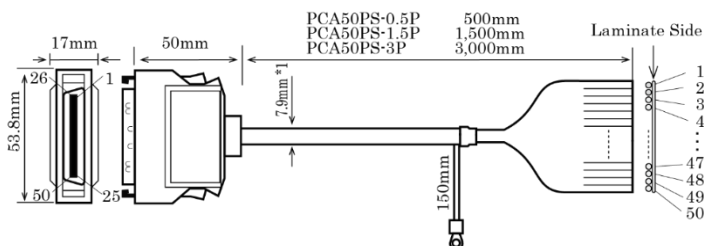
*1: This specification is 11mm, when the "R2" is not printed on the Revision No.

Connection Diagram

Line core color depends on the product revision.
Revision No., please refer to the label of the connector.

Connector Pin No.	Revision No. Rxx line core color (marking No./color)	< Revision No. N/A > < line core color (marking No./color) >	Wire No.
1	Orange (1Red)	<Orange (1Red)>	1
26	Orange (1Black)	<Orange (1Black)>	26
2	Orange (2Red)	<Gray (1Red)>	2
3	Orange (2Black)	<Gray (1Black)>	3
4	Orange (3Red)	<White (1Red)>	4
5	Orange (3Black)	<White (1Black)>	5
6	Orange (4Red)	<Yellow (1Red)>	6
7	Orange (4Black)	<Yellow (1Black)>	7
8	Orange (5Red)	<Pink (1Red)>	8
9	Orange (5Black)	<Pink (1Black)>	9
10	Gray (1Red)	<Orange (2Red)>	10
11	Gray (1Black)	<Orange (2Black)>	11
12	Gray (2Red)	<Gray (2Red)>	12
13	Gray (2Black)	<Gray (2Black)>	13
14	Gray (3Red)	<White (2Red)>	14
15	Gray (3Black)	<White (2Black)>	15
16	Gray (4Red)	<Yellow (2Red)>	16
17	Gray (4Black)	<Yellow (2Black)>	17
18	Gray (5Red)	<Pink (2Red)>	18
19	Gray (5Black)	<Pink (2Black)>	19
20	White (1Red)	<Orange (3Red)>	20
21	White (1Black)	<Orange (3Black)>	21
22	White (2Red)	<Gray (3Red)>	22
23	White (2Black)	<Gray (3Black)>	23
24	White (3Red)	<White (3Red)>	24
25	White (3Black)	<White (3Black)>	25

Connector Pin No.	Revision No. Rxx line core color (marking No./color)	< Revision No. N/A > < line core color (marking No./color) >	Wire No.
27	White (4Red)	<Yellow (3Red)>	27
28	White (4Black)	<Yellow (3Black)>	28
29	White (5Red)	<Pink (3Red)>	29
30	White (5Black)	<Pink (3Black)>	30
31	Yellow (1Red)	<Orange (4Red)>	31
32	Yellow (1Black)	<Orange (4Black)>	32
33	Yellow (2Red)	<Gray (4Red)>	33
34	Yellow (2Black)	<Gray (4Black)>	34
35	Yellow (3Red)	<White (4Red)>	35
36	Yellow (3Black)	<White (4Black)>	36
37	Yellow (4Red)	<Yellow (4Red)>	37
38	Yellow (4Black)	<Yellow (4Black)>	38
39	Yellow (5Red)	<Pink (4Red)>	39
40	Yellow (5Black)	<Pink (4Black)>	40
41	Pink (1Red)	<Orange (5Red)>	41
42	Pink (1Black)	<Orange (5Black)>	42
43	Pink (2Red)	<Gray (5Red)>	43
44	Pink (2Black)	<Gray (5Black)>	44
45	Pink (3Red)	<White (5Red)>	45
46	Pink (3Black)	<White (5Black)>	46
47	Pink (4Red)	<Yellow (5Red)>	47
48	Pink (4Black)	<Yellow (5Black)>	48
49	Pink (5Red)	<Pink (5Red)>	49
50	Pink (5Black)	<Pink (5Black)>	50

Shell — Shield — Round terminal

▼CAUTION

When removing the 50-pin mini-ribbon connector, push the connector back to the card side once.
While pressing the latch release button, pull it straight out.