

**Total Access 1224, 1248  
Extension Cables  
for POTS,  
ADSL+POTS, T1,  
and Modem**

## GENERAL

This job aid provides instructions for installing the following Total Access® 1224 and Total Access 1248 POTS, ADSL+POTS, T1, and Modem Extension Cables (Extension Cables):

Part Number	Description
1179825L1	25-Pair, 25-foot Extension Cable
1179825L2	25-Pair, 50-foot Extension Cable

## DESCRIPTION

The Extension Cables are designed to extend Total Access 1200 series signals to DLC systems using a 50-pin amphenol connector with a stub termination.

The Extension Cables are used in four kits listed in the table below.

Kit Number	Item	Qty	Length
<b>Kit Descriptions</b>			
<b>Total Access 1224 50 Pin, 25 Foot</b>			
4179825L3	Power Cable, twisted Black and Red	1	50 foot
	1196DB901L3 Total Access 12xx Alarm Cable	1	25 foot
	1179825L1 Extension Cable	3	25 foot
<b>Total Access 1224 50 Pin, 50 Foot</b>			
4179825L1	Power Cable, twisted Black and Red	1	100 foot
	1196DB901L2 Total Access 12xx Alarm Cable	1	50 foot
	1179825L2 Extension Cable	3	50 foot
<b>Total Access 1248 50 Pin, 25 Foot</b>			
4179825L4	Power Cable, twisted Black and Red	1	50 foot
	1196DB901L3 Total Access 12xx Alarm Cable	1	25 foot
	1179825L1 Extension Cable	5	25 foot
<b>Total Access 1248 50 Pin, 50 Foot</b>			
4179825L2	Power Cable, twisted Black and Red	1	100 foot
	1196DB901L2 Total Access 12xx Alarm Cable	1	50 foot
	1179825L2 Extension Cable	5	50 foot

## INSTALLATION

After unpacking the unit, inspect it for damage. If damage is noted, file a claim with the carrier and then contact ADTRAN. Refer to Warranty.

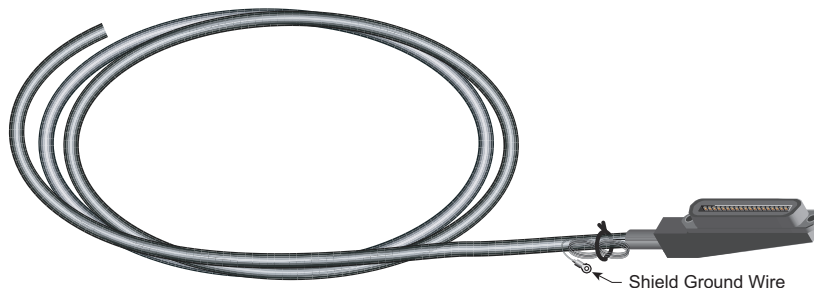
To install an Extension Cable, perform the following steps:

1. Connect the 50-pin amphenol connector using the provided screw and tie wrap to the appropriate Total Access 1200 series equipment.
2. Connect the shield ground wire to an approved ground source.
3. Use the stub end of the cable to wire-wrap to appropriate equipment, insert into splice module, or other approved applications.

## PINOUT INFORMATION

Pinout information for the Alarm cable included in the kits is listed in the table below. Pinout information for various Extension Cable applications is found in the tables on the reverse page.

Alarm Cable Color Codes (Included in Kits)		
Pin	Color	Contact Description
1	Red	Alarm 3 Input - A
2	Red/Black	Alarm 1 Input - B
3	Red/White	Critical Alarm Com
4	Orange	Minor Alarm Com
5	Orange/Black	Major Alarm Com
6	White	Alarm 3 Input - B
7	White/Black	Alarm 2 Input - A
8	Black	Critical Alarm NC
9	Black/White	Minor Alarm NC
10	Blue/Black	Major Alarm NC
11	Blue/White	Alarm 2 Input - B
12	Blue	Alarm 1 Input - A
13	Green/Black	Critical Alarm NO
14	Green/White	Minor Alarm NO
15	Green	Major Alarm NO



**CAUTION!**  
SUBJECT TO ELECTROSTATIC DAMAGE  
OR DECREASE IN RELIABILITY.  
HANDLING PRECAUTIONS REQUIRED.



# Total Access 1224 and Total Access 1248 Extension Cables for POTS, ADSL+POTS, T1, and Modem

PRICING AND AVAILABILITY 800.827.0807  
TECH SUPPORT 800.726.8663  
RETURN FOR REPAIR 256.963.8722  
www.adtran.com  
61179825Lx-22B

## POTS and ADSL+POTS Cable Pin Assignments

Pair/Pins (Amp)	Description	Extension Cable Codes	
		Tip	Ring
1 (1, 26)	POTS 1 or 25 / ADSL+POTS 1 or 25	White/Blue	Blue/White
2 (2, 27)	POTS 2 or 26 / ADSL+POTS 2 or 26	White/Orange	Orange/White
3 (3, 28)	POTS 3 or 27 / ADSL+POTS 3 or 27	White/Green	Green/White
4 (4, 29)	POTS 4 or 28 / ADSL+POTS 4 or 28	White/Brown	Brown/White
5 (5, 30)	POTS 5 or 29 / ADSL+POTS 5 or 29	White/Slate	Slate/White
6 (6, 31)	POTS 6 or 30 / ADSL+POTS 6 or 30	Red/Blue	Blue/Red
7 (7, 32)	POTS 7 or 31 / ADSL+POTS 7 or 31	Red/Orange	Orange/Red
8 (8, 33)	POTS 8 or 32 / ADSL+POTS 8 or 32	Red/Green	Green/Red
9 (9, 34)	POTS 9 or 33 / ADSL+POTS 9 or 33	Red/Brown	Brown/Red
10 (10, 35)	POTS 10 or 34 / ADSL+POTS 10 or 34	Red/Slate	Slate/Red
11 (11, 36)	POTS 11 or 35 / ADSL+POTS 11 or 35	Black/Blue	Blue/Black
12 (12, 37)	POTS 12 or 36 / ADSL+POTS 12 or 36	Black/Orange	Orange/Black
13 (13, 38)	POTS 13 or 37 / ADSL+POTS 13 or 37	Black/Green	Green/Black
14 (14, 39)	POTS 14 or 38 / ADSL+POTS 14 or 38	Black/Brown	Brown/Black
15 (15, 40)	POTS 15 or 39 / ADSL+POTS 15 or 39	Black/Slate	Slate/Black
16 (16, 41)	POTS 16 or 40 / ADSL+POTS 16 or 40	Yellow/Blue	Blue/Yellow
17 (17, 42)	POTS 17 or 41 / ADSL+POTS 17 or 41	Yellow/Orange	Orange/Yellow
18 (18, 43)	POTS 18 or 42 / ADSL+POTS 18 or 42	Yellow/Green	Green/Yellow
19 (19, 44)	POTS 19 or 43 / ADSL+POTS 19 or 43	Yellow/Brown	Brown/Yellow
20 (20, 45)	POTS 20 or 44 / ADSL+POTS 20 or 44	Yellow/Slate	Slate/Yellow
21 (21, 46)	POTS 21 or 45 / ADSL+POTS 21 or 45	Violet/Blue	Blue/Violet
22 (22, 47)	POTS 22 or 46 / ADSL+POTS 22 or 46	Violet/Orange	Orange/Violet
23 (23, 48)	POTS 23 or 47 / ADSL+POTS 23 or 47	Violet/Green	Green/Violet
24 (24, 49)	POTS 24 or 48 / ADSL+POTS 24 or 48	Violet/Brown	Brown/Violet
25 (25, 50)	Not Used	Violet/Slate	Slate/Violet

## T1 Network Pin Assignments

Pair/Pins	Description	Extension Cable Codes	
		Tip	Ring
1 (1, 26)	T1-1 RX	White/Blue	Blue/White
2 (2, 27)	T1-1 TX	White/Orange	Orange/White
3 (3, 28)	T1-2 RX	White/Green	Green/White
4 (4, 29)	T1-2 TX	White/Brown	Brown/White
5 (5, 30)	T1-3 RX	White/Slate	Slate/White
6 (6, 31)	T1-3 TX	Red/Blue	Blue/Red
7 (7, 32)	T1-4 RX	Red/Orange	Orange/Red
8 (8, 33)	T1-4 TX	Red/Green	Green/Red
9 (9, 34)	T1-5 RX <sup>1</sup>	Red/Brown	Brown/Red
10 (10, 35)	T1-5 TX <sup>1</sup>	Red/Slate	Slate/Red
11 (11, 36)	T1-6 RX <sup>1</sup>	Black/Blue	Blue/Black
12 (12, 37)	T1-6 TX <sup>1</sup>	Black/Orange	Orange/Black
13 (13, 38)	T1-7 RX <sup>1</sup>	Black/Green	Green/Black
14 (14, 39)	T1-7 TX <sup>1</sup>	Black/Brown	Brown/Black
15 (15, 40)	T1-8 RX <sup>1</sup>	Black/Slate	Slate/Black
16 (16, 41)	T1-8 TX <sup>1</sup>	Yellow/Blue	Blue/Yellow
17 (17, 42)	Not Used	Yellow/Orange	Orange/Yellow
18 (18, 42)	Not Used	Yellow/Green	Green/Yellow
19 (19, 42)	Not Used	Yellow/Brown	Brown/Yellow
20 (20, 42)	Not Used	Yellow/Slate	Slate/Yellow
21 (21, 42)	Not Used	Violet/Blue	Blue/Violet
22 (22, 42)	Not Used	Violet/Orange	Orange/Violet
23 (23, 42)	Not Used	Violet/Green	Green/Violet
24 (24, 42)	Not Used	Violet/Brown	Brown/Violet
25 (25, 50)	Modem Tip/Ring <sup>2</sup>	Violet/Slate	Slate/Violet

- Octal information shown, pairs 9 - 16 on the Quad version are not connected.
- Modem connection applicable only for the 1179621AL1, 1179641AL1 and 1179641AL4. Otherwise, this pair is not used.

**Warranty:** ADTRAN will replace or repair this product within the warranty period if it does not meet its published specifications or fails while in service. Warranty information can be found online at [www.adtran.com/warranty](http://www.adtran.com/warranty).