

NOTICE

Future Bus-To-Stub Cable Wiring Diagram

The following information can be used as a guideline when wiring the ADTRAN® Future Bus-To-Stub cable. If you experience any problems, call ADTRAN Technical Support at 800-726-8663. **Table 1** contains wire color information for the Future Bus-to-Stub cable.

Table 1. Future Bus-To-Stub Cable Pinout

Pair #	Wire Color (RNG)	Wire Color (Tip)
1	Blue/White	White/Blue
2	Orange/White	White/Orange
3	Green/White	White/Green
4	Brown/White	White/Brown
5	Slate/White	White/Slate
6	Blue/Red	Red/Blue
7	Orange/Red	Red/Orange
8	Green/Red	Red/Green
9	Brown/Red	Red/Brown
10	Slate/Red	Red/Slate
11	Blue/Black	Black/Blue
12	Orange/Black	Black/Orange
13	Green/Black	Black/Green
14	Brown/Black	Black/Brown
15	Slate/Black	Black/Slate
16	Blue/Yellow	Yellow/Blue
17	Orange/Yellow	Yellow/Orange
18	Green/Yellow	Yellow/Green
19	Brown/Yellow	Yellow/Brown
20	Slate/Yellow	Yellow/Slate
21	Blue/Violet	Violet/Blue
22	Orange/Violet	Violet/Orange
23	Green/Violet	Violet/Green
24	Brown/Violet	Violet/Brown
25	Slate/Violet	Violet/Slate
26	Blue/White *	White/Blue *
27	Orange/White *	White/Orange *
28	Green/White *	White/Green *
* Bold Indicates Blue Binder Group		

The information in **Figure 1** and **Table 2** may be used to cross-reference the wire color information contained in Table 1 with the pins of the Future Bus connector. Table 2 also shows cross-reference connection information for cables with an Amp Champ connector on the opposite end instead of stub termination

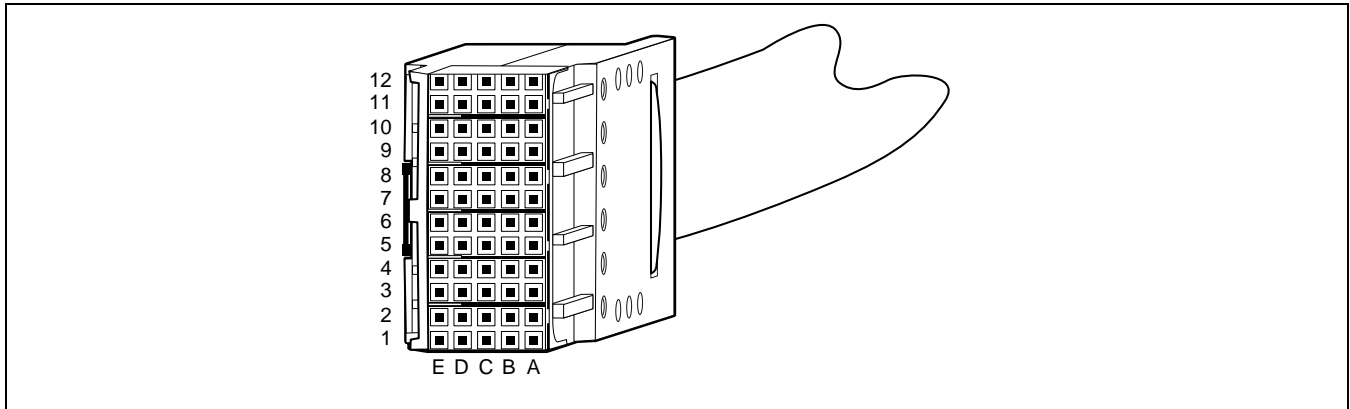


Figure 1. Future Bus-To-Stub Cable Connector

Table 2. Future Bus Connector Map

Future Bus	A	B	C	D	E
1	CHAMP #28 Green (RNG28)	CHAMP #27 Orange (RNG27)	CHAMP #26 Blue (RNG26)	CHAMP #25 Slate (RNG25)	CHAMP #24 Brown (RNG24)
2	CHAMP #60 White (TIP28)	CHAMP #59 White (TIP27)	CHAMP #58 White (TIP26)	CHAMP #57 Violet (TIP25)	CHAMP #56 Violet (TIP24)
3	CHAMP #23 Green (RNG23)	CHAMP #22 Orange (RNG22)	CHAMP #21 Blue (RNG21)	CHAMP #20 Slate (RNG20)	CHAMP #19 Brown (RNG19)
4	CHAMP #55 Violet (TIP23)	CHAMP #54 Violet (TIP22)	CHAMP #53 Violet (TIP21)	CHAMP #52 Yellow (TIP20)	CHAMP #51 Yellow (TIP19)
5	CHAMP #18 Green (RNG18)	CHAMP #17 Orange (RNG17)	CHAMP #16 Blue (RNG16)	CHAMP #15 Slate (RNG15)	CHAMP #14 Brown (RNG14)
6	CHAMP #50 Yellow (TIP18)	CHAMP #49 Yellow (TIP17)	CHAMP #48 Yellow (TIP16)	CHAMP #47 Black (TIP15)	CHAMP #46 Black (TIP14)
7	CHAMP #13 Green (RNG13)	CHAMP #12 Orange (RNG12)	CHAMP #11 Blue (RNG11)	CHAMP #10 Slate (RNG10)	CHAMP #9 Brown (RNG9)
8	CHAMP #45 Black (TIP13)	CHAMP #44 Black (TIP12)	CHAMP #43 Black (TIP11)	CHAMP #42 Red (TIP10)	CHAMP #41 Red (TIP9)
9	CHAMP #8 Green (RNG8)	CHAMP #7 Orange (RNG7)	CHAMP #6 Blue (RNG6)	CHAMP #5 Slate (RNG5)	CHAMP #4 Brown (RNG4)
10	CHAMP #40 Red (TIP8)	CHAMP #39 Red (TIP7)	CHAMP #38 Red (TIP6)	CHAMP #37 White (TIP5)	CHAMP #36 White (TIP4)
11			CHAMP #3 Green (RNG3)	CHAMP #2 Orange (RNG2)	CHAMP #1 Blue (RNG1)
12	CHAMP #64 Drain Wire		CHAMP #35 White (TIP3)	CHAMP #34 White (TIP2)	CHAMP #33 White (TIP1)

The raw cable used for these assemblies is constructed of 28 twisted pairs with 2.5 twists per foot (minimum) utilizing 24 AWG solid tinned copper. The cable is shielded with a single aluminum/polyester shield and has a 24 AWG solid drain wire.