



Cable and Port Mapping Specifications

This appendix provides cabling guidelines, cabling configuration diagrams, and port mapping tables.



Only trained and qualified personnel should be allowed to install, replace, or service this equipment.

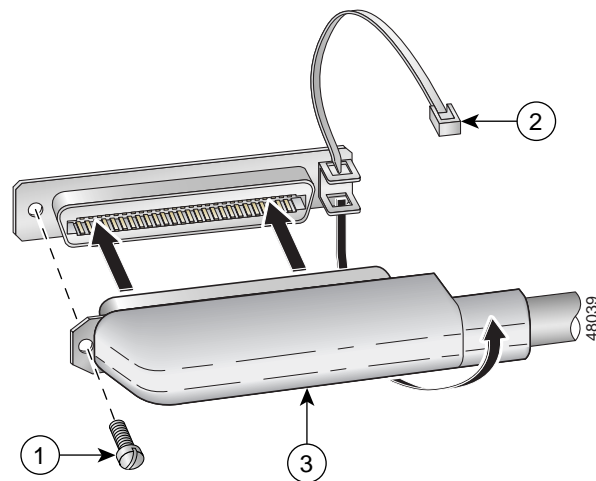
Cisco used a standard telco color chart when designing the cables for the Cisco 6015 connections. This appendix includes a standard telco color chart.

See [Table 2-6 on page 2-19](#) for cable part numbers and specifications.

B.1 Cabling Guidelines

You need to ensure that all Champ connectors are securely fastened (screwed in) and tie wrapped to the connector bracket, as shown in [Figure B-1](#).

Figure B-1 Attaching the Champ Connector to the Chassis



1	Champ connector screw	3	Champ connector
2	Tie wrap		

B.2 Cabling Configuration Diagrams

You can use third-party POTS splitters in a Cisco 6015 with a POTS splitter configuration. Please verify the compatibility with your Cisco representative.

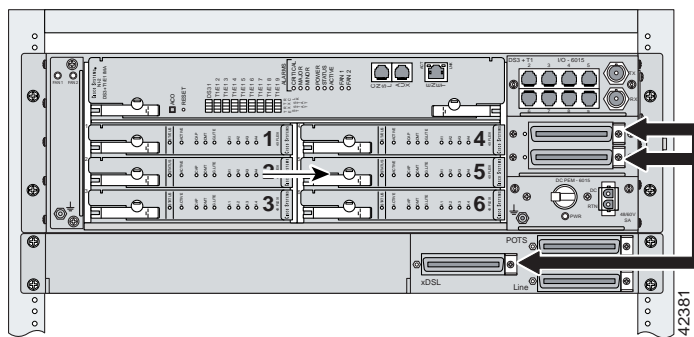


Note

See [Table 2-6 on page 2-19](#) for cable and ferrite requirements. If unshielded cable is used for FCC Class A or EN55022 Class A compliance, the cables will need to be looped through ferrites.

[Figure B-2](#) shows the cabling between the DSL interface module and a third-party POTS splitter. These connections are for xDSL data flow between the Cisco 6015 and the third-party POTS splitter.

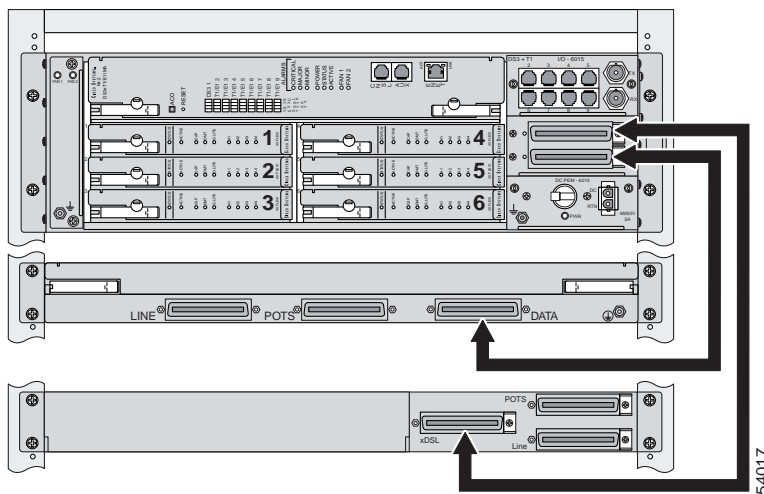
Figure B-2 Connecting the DSL Interface Module to the POTS Splitter



A system configuration using 8xDMTs or 8xDMT over ISDNs requires a POTS splitter that expands the system capacity to 48 subscriber ports.

[Figure B-3](#) shows the cabling between the DSL interface module and two third-party POTS splitters. These connections are for xDSL data flow between the Cisco 6015 and the POTS splitters.

Figure B-3 Connecting the DSL Interface Module to Two POTS Splitters



B.3 Port Mapping Tables

Table B-1 maps the Cisco 6015 ports, the POTS splitter ports, and the wire pairs when connecting a Cisco 6015 to two POTS splitters.



Note In a system configuration using quad-port flexi ATU-C line cards (4xflexis), install only one POTS splitter.

In a system configuration using 8xDMTs or 8xDMT over ISDNs, install an additional POTS splitter. The additional POTS splitter expands the system capacity to 48 subscriber ports.

Table B-1 Port Mapping for a Cisco 6015 to Two POTS Splitters

Cisco 6015 DSL Connector	Slot/Line	Tip/Ring	Cisco 6015 DSL Connector	Slot/Line	Tip/Ring
Connector 1 Slots 1 through 3	1/1	26/1	Connector 2 Slots 4 through 6	4/1	26/1
	1/2	27/2		4/2	27/2
	1/3	28/3		4/3	28/3
	1/4	29/4		4/4	29/4
	1/5	30/5		4/5	30/5
	1/6	31/6		4/6	31/6
	1/7	32/7		4/7	32/7
	1/8	33/8		4/8	33/8
	2/1	34/9		5/1	34/9
	2/2	35/10		5/2	35/10
	2/3	36/11		5/3	36/11
	2/4	37/12		5/4	37/12
	2/5	38/13		5/5	38/13
	2/6	39/14		5/6	39/14
	2/7	40/15		5/7	40/15
	2/8	41/16		5/8	41/16
	3/1	42/17		6/1	42/17
	3/2	43/18		6/2	43/18
	3/3	44/19		6/3	44/19
	3/4	45/20		6/4	45/20
	3/5	46/21		6/5	46/21
	3/6	47/22		6/6	47/22
	3/7	48/23		6/7	48/23
	3/8	49/24		6/8	49/24
Not used	50/25	Not used	50/25		

Table B-2 maps the Cisco 6015 ports, the POTS splitter ports, and the wire pairs when using the Y-cables to connect one POTS splitter.

Table B-2 Port Mapping for a Cisco 6015 to One POTS Splitter

DSL Port/Slot	POTS Champ Tip/Ring	Cisco 6015	
		DSL Champ Connector 1 Tip/Ring	DSL Champ Connector 2 Tip/Ring
Port 1/1	26/1	26/1	N/C
Port 1/2	27/2	27/2	N/C
Port 1/3	28/3	28/3	N/C
Port 1/4	29/4	29/4	N/C
Port 2/1	30/5	34/9	N/C
Port 2/2	31/6	35/10	N/C
Port 2/3	32/7	36/11	N/C
Port 2/4	33/8	37/12	N/C
Port 3/1	34/9	42/17	N/C
Port 3/2	35/10	43/18	N/C
Port 3/3	36/11	44/19	N/C
Port 3/4	37/12	45/20	N/C
Port 4/1	38/13	N/C	26/1
Port 4/2	39/14	N/C	27/2
Port 4/3	40/15	N/C	28/3
Port 4/4	41/16	N/C	29/4
Port 5/1	42/17	N/C	34/9
Port 5/2	43/18	N/C	35/10
Port 5/3	44/19	N/C	36/11
Port 5/4	45/20	N/C	37/12
Port 6/1	46/21	N/C	42/17
Port 6/2	47/22	N/C	43/18
Port 6/3	48/23	N/C	44/19
Port 6/4	49/24	N/C	45/20
N/C	50/25	N/C	N/C

B.4 Standard Telco Color Chart

In designing the cables for the Cisco 6015 connections, Cisco used a standard telco color chart. [Table B-3](#) lists the colors that are used for the Cisco 6015 cables.

Table B-3 Standard Telco Color Chart

Wire Color	P1	Wire Color	P2	Wire Color	P1	Wire Color	P2
Wht/blu	1	Wht/blu	1	Grn/blk	38	Grn/blk	38
Blu/wht	26	Blu/wht	26	Blk/brn	14	Blk/brn	14
Wht/org	2	Wht/org	2	Brn/blk	39	Brn/blk	39
Org/wht	27	Org/wht	27	Blk/gry	15	Blk/gry	15
Wht/grn	3	Wht/grn	3	Gry/blk	40	Gry/blk	40
Grn/wht	28	Grn/wht	28	Yel/blu	16	Yel/blu	16
Wht/brn	4	Wht/brn	4	Blu/yel	41	Blu/yel	41
Brn/wht	29	Brn/wht	29	Yel/org	17	Yel/org	17
Wht/gry	5	Wht/gry	5	Org/yel	42	Org/yel	42
Gry/wht	30	Gry/wht	30	Yel/grn	18	Yel/grn	18
Red/blu	6	Red/blu	6	Grn/yel	43	Grn/yel	43
Blu/red	31	Blu/red	31	Yel/brn	19	Yel/brn	19
Red/org	7	Red/org	7	Brn/yel	44	Brn/yel	44
Org/red	32	Org/red	32	Yel/gry	20	Yel/gry	20
Red/grn	8	Red/grn	8	Gry/yel	45	Gry/yel	45
Grn/red	33	Grn/red	33	Vio/blu	21	Vio/blu	21
Red/brn	9	Red/brn	9	Blu/vio	46	Blu/vio	46
Brn/red	34	Brn/red	34	Vio/org	22	Vio/org	22
Red/gry	10	Red/gry	10	Org/vio	47	Org/vio	47
Gry/red	35	Gry/red	35	Vio/grn	23	Vio/grn	23
Blk/blu	11	Blk/blu	11	Grn/vio	48	Grn/vio	48
Blu/blk	36	Blu/blk	36	Vio/brn	24	Vio/brn	24
Blk/org	12	Blk/org	12	Brn/vio	49	Brn/vio	49
Org/blk	37	Org/blk	37	Vio/gry	25	Vio/gry	25
Blk/grn	13	Blk/grn	13	Gry/vio	50	Gry/vio	50

