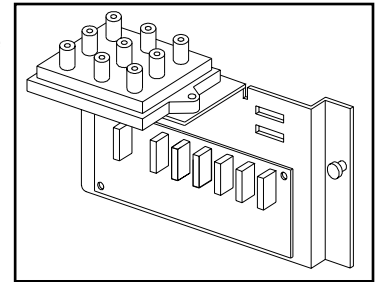


1. Introduction

The OnQ Combo Modules provide a structured method for distributing telephone service and RF (cable TV) off air signals throughout a residence. OnQ Combo Modules can be mounted in OnQ Service Center Enclosures and come in several different telecom/video combinations; an example (6+8) is shown right.



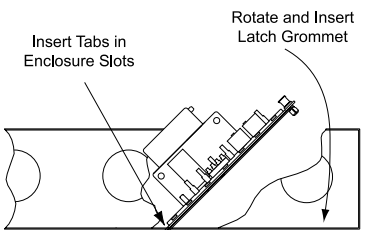
2. Description

The "video" portion of the module has vertical access "F" style fittings for connecting incoming and outgoing cables. **NOTE** - Video portion comes in several versions; the following insertion losses apply:

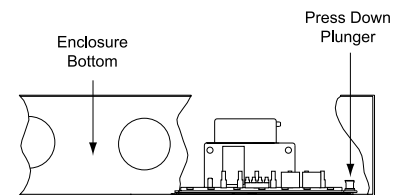
	BANDWIDTH MHz:	5-40	40-400	400-600	600-1000
4-WAY SPLITTER:	INSERTION LOSS: (dB Max.)	6.5	7	7	8
6-WAY SPLITTER:	INSERTION LOSS: (dB Max.)	9	9	10	11
8-WAY SPLITTER:	INSERTION LOSS: (dB Max.)	10	11	11	13

The "telecom" portion also comes in several versions. All telecom modules have an 8 position 110 punch-down connector for incoming 4 line service and 110 (8) position punch-down connectors for the extension connections. Some modules also have an RJ-31X security interface jack.

NOTE: The OnQ Combo Module has a vertical dimension of 5 inches. A total of 7 inches of enclosure space is required for coax cabling.



Cut-away view from bottom



Cut-away view from bottom

3. Installation

A. Mounting in Enclosure (refer to Figure 2).

- 1) Align tabs on the module with slots on rail enclosure.
- 2) Insert tabs by angling module away from the back of the enclosure.
- 3) Rotate the module and insert fasteners on module into corresponding holes on rail of enclosure. (Plunger must be in a pulled position for fastener to engage hole.)
- 4) Push plunger in to lock module in place. Pull on module to ensure module is locked properly in place.

B. Service Connection - Video Portion (refer to Figure 3).

- 1) Identify incoming service cable(s) and route to "Cable In" fitting(s) on module.
- 2) Attach an RG-6 "F" connector to the cable. Connect to fitting on module and finger-tighten.

C. Outlet Drop Connections

- 1) Identify cables from the outlets and route to appropriate fittings.
- 2) Attach an RG-6 "F" connector to the cable. Connect to fitting on module and finger-tighten.

Figure 2

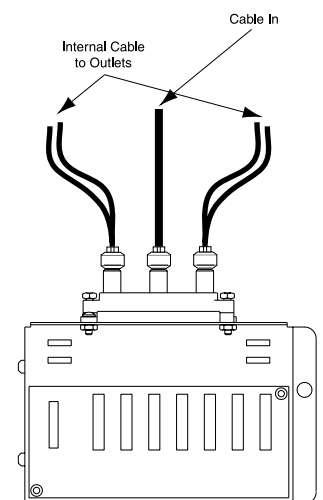


Figure 3

NOTE: Do not bend cable in less than a 2 inch radius.

Installation/Instruction Sheet
OnQ Combo Modules (B Series)
IS-0162 Rev. O

NOTE: Cables should all be marked to provide identification.
Record room locations for cables to the outlets.

D. Incoming Service Cable Installation - Telecom Portion

- 1) Identify incoming service cable and route to "Line In" 110 punch-down block. In routing cable, allow slack for bundling to the side and avoiding other cable terminations. Trim cable about 2 inches beyond connector.
- 2) Strip off approximately 4 inches of the outer jacket using OnQ strip tool (P/N 363292-01) or equivalent.
- 3) Position pairs over color-coded slots on the connector.
See Figure 4.

STANDARD TERMINATION
FOR 110 PUNCHDOWN
568A

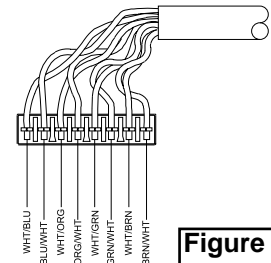


Figure 4

Note: Do not untwist pairs.

Note: White wires may not have color trace stripe. Keep white wire paired with appropriate colored wire based on twist.

- 4) Without untwisting cable, position the wires in individual slots per *Figure 4*.
- 5) Punch-down and trim wires using OnQ punch-down tool (P/N 363293-01) or equivalent.
- 6) Remove excess wire and tug slightly on cable to ensure wire is securely installed in connector.

E. Outlet cable termination

- 1) Identify outlet cable and route to numbered 110 punch-down blocks. In routing cable, allow slack for bundling to the side and avoiding other cable terminations. Trim cable about 2 inches beyond connector.
- 2) Strip off approximately 4 inches of the outer jacket using OnQ strip tool (P/N 363292-01) or equivalent.
- 3) Position pairs over color-coded slots on the connector. *See Figure 4.*
- 4) Without untwisting cable, position the wires in individual slots per *Figure 4*.
- 5) Punch-down and trim wires using OnQ punch-down tool (P/N 363293-01) or equivalent.
- 6) Remove excess wire and tug slightly on cable to ensure wire is securely installed in connector.
- 7) Record room name/number to connector number on wire layout label of enclosure.
- 8) Repeat until all outlets are connected.

F. Securing Cables

After all cables are connected to the module, the cables should be bundled and grouped to allow ease of maintenance. Wire management straps (P/N 363491-01), may be used to bundle cable.

4. Other Applications (If Applicable)

A. Security Interface (refer to *Figure 5* for Pin Out)

- 1) To enable line seizure and dial out capability to most security systems, connect the RJ31X cable (supplied with the security system) to the RJ45 "Security" jack on the module. TURN OFF Line 1 to activate security link. Connect the other end to the security system as outlined in the security system installation instructions.
- 2) To disable security, remove plug from "security" jack and set line 1 to "ON".

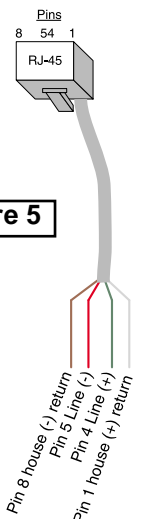


Figure 5