



Volition™ VF-45™ Field Mount Plug



3M™ Volition™ Network Solutions introduces a new field-mountable version of the innovative VF-45 plug. The 3M™ Volition™ VF-45™ Field Mount Plug facilitates the use of consolidation point designs, enables emergency link creation through field-made cable assemblies, and allows custom length cable assemblies to be made on site. Since it is terminated with the current VF-45 socket installation kit, you can count on fast, duplex termination and high reliability.

3M™ Volition™ VF-45™ Field Mount Plug in Consolidation Point Applications

The consolidation point (CP) is a newly designated network configuration in TIA/EIA 568B.3, ISO11801 and EN 50173. This design (mid-floor figure 1) allows a high-count Fibre Feed Cable to be pulled to a Passive Consolidation Point Box and terminated with VF-45 sockets. A Two-Fibre Extender Cable is pulled from the CP to the Telecommunications Outlet (TO).

The VF-45 Field Mount Plug is terminated to the CP side of the Two-Fibre Extender Cable run, and a VF-45 socket is terminated at the TO (figure 2). As shown in the diagram (top floor figure 1), Consolidation Points can also include active electronics in a hybrid fibre/copper configuration. In this scenario, Two-Fibre Feed Cable is pulled to a switch, inside the Active Consolidation Point. The VF-45 Field Mount Plug is terminated directly onto the Fibre Feed Cable and plugged into a VOL-1081 mini switch. Copper Extender Cables are pulled to the Telecommunications Outlets and terminated with RJ45 Jacks. Consolidation point designs allow re-configuration of networks which are especially useful in open office and modular furniture environments where furniture is moveable. The Field Mount Plug is ideal for this environment and complies with patch cord specifications.

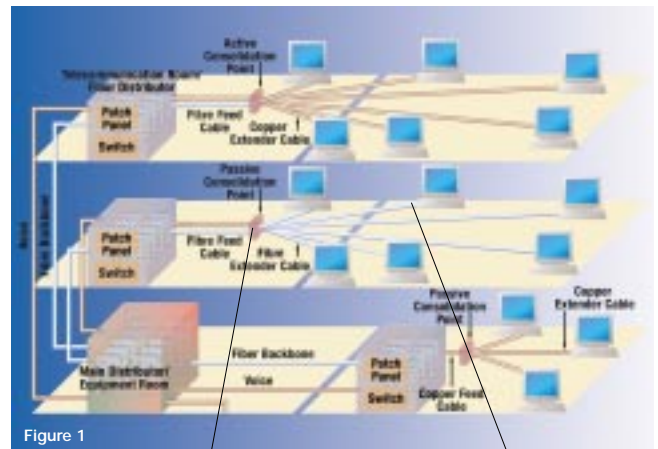


Figure 1

Copper Fibre

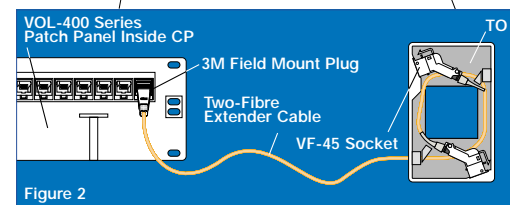


Figure 2

Features

- Two fibre terminations at one time
- Inspectable end faces
- Angled end faces
- Automatic shutter door
- Positive latch
- 3M innovative technologies

Benefits

- Fast and simple installation
- High termination yield
- Low loss and low reflection
- Eye safety and debris protection
- Connection continuity
- VF-45™, Fibrok™, and GGP fibre

