

VM-Pro 8-8 Class F_A IP67

Application Note

The compact connection module with IP67 rating



The VM-Pro 8-8 is a space-saving connecting module for installation and patch cables in data communication networks. With its isolated, electrical scoop-proof construction and IP67 rating, Telegärtner's VM-Pro 8-8 connection module offers various benefits for many applications in building, home and industrial building cabling. Its small dimensions make it the first choice for extending individual cables. Offering class F_A link up to 1,000 MHz performance, the VM-Pro 8-8 exceeds the specifications of even 10 Gigabit Ethernet acc. to IEEE 802.3an.



Telegärtner's connection module VM-Pro 8-8: IP67 rating to protect of external influences with minimum required space.

Change is everlasting in IT networks. Protocols and operating systems, hard- and software, all of them change over the years. So does the cabling infrastructure. New applications demand new cable categories and even the way the network itself is used changes.

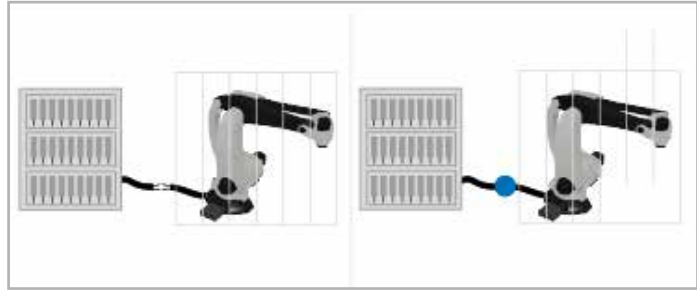
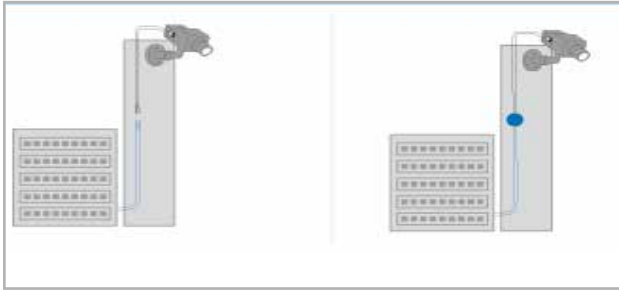
How often does it happen in practice that

- a structured cabling solution meets all relevant standards at the time it has been installed, but after users moved in they found out that the outlets should have been installed somewhere else?
- IT outlets have to be rearranged and moved because space is used in a different way than originally planned, and the outlets are now needed somewhere else?
- after installing an IP camera, it turns out that the camera should have been installed higher or lower for a better view?
- machines in a plant have to be rearranged to create space for some more machines?
- office or industrial spaces will be used in a different way in the future and therefore not only some outlets but entire distributors have to be moved?

All these examples have one thing in common: The installed cables are too short for planned changes! Installing an entire new cabling infrastructure is complex, leads to inevitable interferences and significant business disruptions and is in most cases just too expensive.

Of course, IT equipment and machines can still be connected to the network using extra-long patch cords, but very often bandwidth performance drops..

Telegärtner's compact connection module VM-Pro 8-8 solves this problem in a simple, comfortable and cost-effective way. Installed cables can still be used by extending them. Link performance Class F up to F_A 1,000 MHz assures secure and reliable high-speed data transmission including 10 Gbps.



Telegärtner's VM-Pro 8-8: One module for many applications (e.g. cable extension, cable rerouting)

Telegärtner's VM-Pro 8-8 can be used for solid and stranded conductor cables. The innovative wire manager ensures quick, secure and reliable connections of shielded or unshielded four pair cables from AWG27 to AWG22 and with outer diameters from 5.5 to 9.0 mm maintaining the pair twist all the way up to the IDC contacts.

The fully shielded, robust IP67 housing is electrically isolated with a reliable strain relief. This makes the VM-Pro 8-8 first choice for cable repairs and connecting outside plant and indoor cable, e.g. for IP video cameras or wireless access points. The VM-Pro 8-8 can be used with Power over Ethernet + (PoE+) according to IEEE 802.3at.



Quick and error-free connections thanks to the innovative wire manager of the VM-Pro 8-8



VM-Pro by Telegärtner: space-saving and protective

Features and Benefits

- IP67 rating
- Class F_A (1,000 MHz)
- suitable for solid and stranded cables
- AWG27 - 22
- insulation diameter 0.85 to 1.6 mm
- outer diameter of the cables 5.5 to 9.0 mm
- for data rates from 10 Mbps up to 10 Gbps
- Power over Ethernet (PoE and PoE+)
- fully shielded, robust housing
- electrically isolated
- EMI proofed according to EN 61000-6-1 and EN 61000-6-2
- No special tools required
- can be reconnected up to four times