HI-FOG® for Cable Tunnels

HI-FOG® water mist fire protection system is an ideal solution for protecting challenging conditions underground due to its low water consumption, minimized drainage requirements and water damage. Excellent cooling effect allows quick access to affected areas.

Securing business continuity
Power plants, substations, communication networks, and data centers worldwide rely on cable tunnels. Fire in these tunnels can quickly lead to significant losses and disrupt businesses.

In case of a fire the heat accumulates very rapidly, making it impossible for fire brigade personnel to enter the small tunnels.

HI-FOG® is a fast acting solution that immediately cools the area. Using considerably less water than alternative water-based technologies, HI-FOG® delivers unrivalled performance. With the HI-FOG® fire and water damage are kept to an absolute minimum.

Proven performance
Drawing from its broad and deep knowledge of fire protection for many different industries, Marioff has developed both suppression and extinguishing systems for cable tunnels.

Using the VdS (Vertrauen durch Sicherheit) protocol 2498, each configuration has been tested in a simulated industrial-scale cable tunnel.
HI-FOG® offering for cable tunnels

**Deluge system**: open spray head system, VdS-approved configuration for extinguishing fires in cable tunnels.

**Light deluge system**: suppression system using open spray heads; consumes less water than full deluge.

**Sprinkler system**: suppression system using HI-FOG® sprinkler heads; lowest water consumption.

Repeated cable tunnel tests show HI-FOG® has an immediate, dramatic effect on ambient temperature.