

## **Safety Status of Stations and Tunnels of Tehran Line 4 Urban and Suburb Railways (Subway) Against Fire Risks**

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**Abstract :** Record of 2 million trips during a day by subway makes it the most application and the most efficient branch of public transportation. Great safety, energy consumption reduction, appropriate speed, and lower prices for passengers in comparison with private cars or buses, are some reasons for this remarkable statics. This increasing popularity compels the author to evaluate the safety of subway stations and tunnels against fire and fire extinguishing systems in Tehran subway network and then compare some of its safety parameters to other countries. This paper assessed the methods and systems used in different parts of Tehran subway and then by comparing the facilities and equipment necessary to declare and extinguish the fire, the solutions and world standards (NFPA) are explored.

**Keywords :** subway station, tunnel, fire alarm, extinguishing fire, NFPA standards

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