

# **IS 14787: 2000 – Unplasticized PVC Pipes and Fittings for Underground Telecommunications Cable Installation – Specification**

IS 14787: 2000 specifies **unplasticized PVC pipes (ducts) and fittings** used as conduits for underground telecommunications cable installations, offering **protective routing and support** for fibre optic and other cables.

Consumers and installers prioritize durability, **resistance to environmental stresses** (like UV radiation and physical impacts), and ease of installation. Effective protection of telecommunications cables, **ensuring signal integrity and longevity** of the network, is crucial.

The standard ensures these pipes and fittings are made from **high-quality PVC without plasticizers**, incorporating titanium dioxide for UV resistance. It details requirements for dimensions, physical and mechanical properties, ensuring the pipes can withstand environmental and mechanical stresses without compromising the **cable integrity**.

**Keywords:** PVC cable ducts, underground cable protection, telecommunications infrastructure, UV-resistant PVC pipes, durable telecommunication fittings.