IS 7098 (Part 1) : 1988 - Specification for crosslinked polyethylene insulated PVC sheathed cables: Part 1 for working voltages up to and including 1 100 volts (First Revision)

The product "crosslinked polyethylene (XLPE) insulated PVC sheathed cables" refers to a type of electrical cable that combines two specific materials—crosslinked polyethylene (XLPE) and polyvinyl chloride (PVC)—to enhance insulation and sheathing properties. This type of cable is widely used in electrical power transmission and distribution systems due to its durability, electrical performance, and heat resistance.

The Indian Standard IS 7098 (Part 1):1988 provides specifications for crosslinked polyethylene (XLPE) insulated and PVC sheathed cables designed for working voltages up to 1100 volts. It applies to both armoured and unarmoured cables for single, twin, and multi-core configurations. The standard details requirements for conductor materials, insulation properties, armouring, and sheathing materials to ensure durability and safety. Tests for physical and mechanical properties, such as tensile strength, insulation resistance, and resistance to fire and heat, are specified to assess cable performance under various conditions.

Marking, identification, and packaging guidelines are also included to ensure traceability and compliance with safety standards.

The Indian Standard IS 7098 (Part 1):1988 aim to ensure that crosslinked polyethylene (XLPE) insulated PVC sheathed cables meet consistent performance and safety standards.