

MCB miniature circuit breaker thermal magnetic protection mechanism

Category: Global Electric

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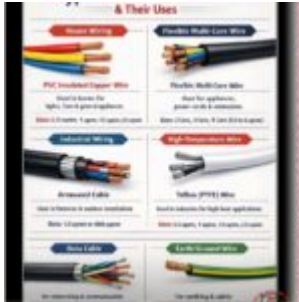


An MCB (Miniature Circuit Breaker) is an automatic electrical switch that protects circuits from overloads and short circuits. Using dual thermal-magnetic mechanisms, MCBs detect abnormal currents and instantly disconnect power to prevent equipment damage and fire hazards. Compact, reliable, and essential for modern electrical safety.

Types of Electrical Wires and Their Uses

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Modern installations use several wire families, each optimized for voltage level, environment, flexibility, and temperature range. Choosing the right type reduces losses, prevents overheating, and keeps residential, industrial, and communication systems compliant with safety standards. PVC house wiring, flexible multi-core cables, armoured feeders, PTFE high-temperature conductors, and data or earth wires all play specific roles.