

EPC/MEP Compliance Labelling Checklist

Built for UAE project standards (UL-969, UL224, ANSI/TIA-606B, DEWA/ADWEA guidelines)

1. AI Data Center & Telecom Racks

With smart buildings and high-density IT infrastructure, structured labelling ensures long-term operability.

- Patch panels must be labelled according to ANSI/TIA-606B standards, which are widely enforced in UAE projects.
- LAN and fibre patch cords require flag labels or self-laminating tapes for readability in compact rack spaces.
- Equipment outlets and ports can be labelled with QR codes or barcodes to enable asset tracking and digital facility management.

Solution fit: Brother TZe Flag Labels, TZe Self-Laminating tapes

2. Cables & Wires

Clear and durable labelling of cables is essential for safe installation, quick identification, and smooth project handover.

- Power cables must be labelled using UL224 flame-retardant heat shrink tubing rated up to 600V, ensuring fire safety and compliance.
- Data and fiber optic cables should be identified with flexible ID or self-laminating tapes that wrap securely around curved and thin surfaces.
- Labels must be resistant to heat, dust, moisture, and chemicals typical of UAE project environments.

Solution fit: Brother Pro Tape HSe tubes, TZe Flexible ID, TZe Self-Laminating tapes

3. Distribution Boards & Switchgear

Accurate identification of electrical distribution is a compliance and safety requirement.

- Circuit breakers, relays, and terminals should be clearly marked for inspection and maintenance clarity.
- Labels must adhere strongly to powder-coated or textured panels, preventing peel-off during operation.
- Warning and hazard signage should be laminated for resistance against abrasion, fading, and chemical exposure.

Solution fit: Brother TZe Strong Adhesive, TZe Security Laminated tapes

4. Conduits, Trunking & Site Safety

Conduits and trays are critical routing systems where misidentification can create safety hazards.

- All conduits and trays should be labelled every 5 meters and at junction points to align with UAE utility and safety practices.
- In areas where tampering poses risks, tamper-evident labels are recommended.
- For outdoor exposure, labels must withstand UV, high temperatures, and chemical environments.

Solution fit: Brother TZe Security Laminated, TZe Strong Adhesive tapes

5. Handover & Facility Management (FM) Compliance

Compliance doesn't end at project delivery—FM teams depend on proper labelling for lifecycle operations.

- All labelling specifications should be documented in Operations & Maintenance manuals, ensuring traceability and compliance during audits.
- Labels must be durable enough to last through abrasion, water, and fading over the facility's lifecycle.
- FM teams should be trained to replenish label stock using the exact matching tape SKUs to maintain consistency.

Solution fit: Brother E-Series Labellers with Pro Tapes, supported by local FM distributors