

3M Science.
Applied to Life.™

Reliable electrical solutions that help you keep your power on.

Long-lasting 3M Electrical Products that help
minimise downtime and limit interruptions.

**We have
your solution.**



Insulate, connect, protect and mark.

Each letter below represents an electrical construction or maintenance application. Match all letters that apply to the facility illustration to see all the places where 3M Electrical Products help you deliver efficient and reliable operation.

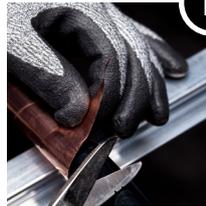
Applications



A

Insulate wires and cables

- ▶ Insulate and seal in harsh conditions
- ▶ Repair and re-insulate LV cables
- ▶ Repair or replace busbar insulation



F

Job safety

- ▶ Equipment outlet line insulation
- ▶ Personal protection



B

Connect wires and cables

- ▶ Conductor to conductor (pigtail and inline)
- ▶ Conductor to flat pad or pin-connection



G

Protect cables from fire, electric arc, water or corrosion

- ▶ Resist water, oil and chemicals
- ▶ Resist abrasion, puncture and cut-through
- ▶ Resist pipe corrosion
- ▶ 3M™ Electric Arc Proofing Tape and 3M™ Scotchrap™ Corrosion Protection Tapes



C

Medium voltage cable joints

- ▶ Joints underground buried and submerged cables
- ▶ Joints in cable tray or ductwork
- ▶ Works with shearbolt and compression connectors
- ▶ 3M™ Cold Shrink QS200



H

Smart monitoring

- ▶ Medium voltage sensors for grid reliability, flexibility and power quality applications
- ▶ Improve reliability of medium voltage distribution systems
- ▶ Measure with high accuracy voltage and current in primary and secondary substations to help renewable generation integration
- ▶ 3M™ Sensored Cable Accessories



D

Rejacket and protect medium voltage cables

- ▶ Rejacket buried and submerged cable
- ▶ Provide moisture and abrasion protection
- ▶ Scotch® Cable Jacket Repair Tape 2234, HDCW Heat Shrink Cable Repair Sleeve



I

Locate and mark

- ▶ Map location and depth of underground assets
- ▶ 3M™ Dynatel™ Locators, 3M™ Electronic Marker System Markers and Path Marking Tape



E

Terminate medium voltage cables

- ▶ Terminate in switchgear
- ▶ Terminate busbar connections
- ▶ Terminate with separable equipment connection
- ▶ Terminate in outdoor pole top and substation connection
- ▶ 3M™ Cold Shrink QT-III and QT-II Terminations

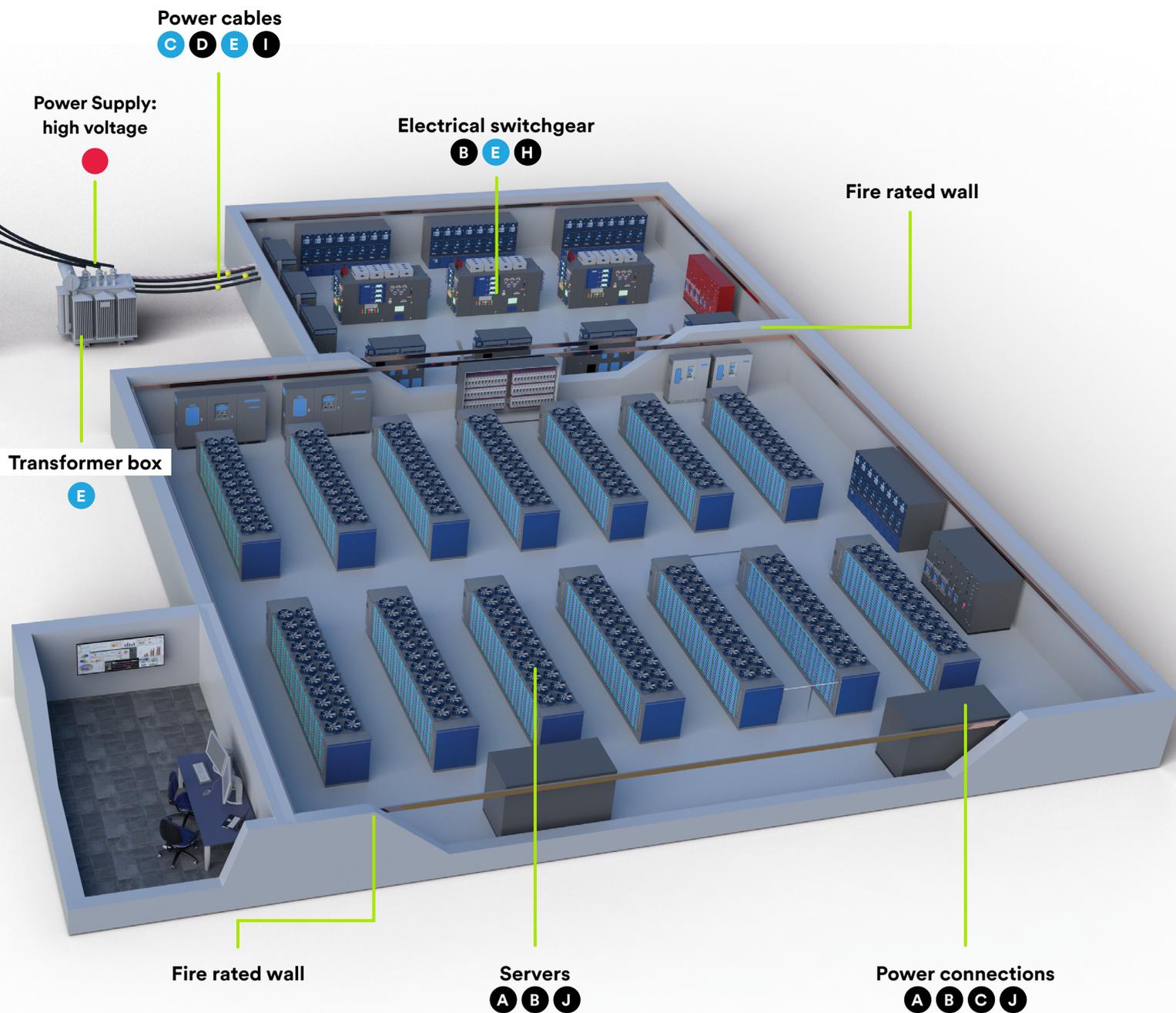


J

Maintain and more

- ▶ Cable identification and cable management
- ▶ Metal lubrication and rust resistance
- ▶ Scotch® 35 Coloured Vinyl Tape

Data Processing Centre Guide



Voltage rating of 3M product applications

- Indicates high voltage application (45KV-145KV)
- Indicates medium voltage application (3.3KV- 33KV)
- Indicates low voltage application (<1000V)

From start to finish, 3M provides customised solutions and technical support



Construction services

- ▶ Help eliminate over or under ordering for your next project with our team of experienced electrical engineers and experts who will help you accurately identify your cable accessory requirements so that your order is what you need.
- ▶ Avoid the expense of ordering contingency components by getting the right cable accessories and budget estimates from our 3M experts.
- ▶ Minimise time-waste locating product while 3M builds and ships customised kits to your distributor or to your jobs exactly when and where you need it.
- ▶ Enable and empower your team to have successful installations with 3M on-site training for installers, as well as, off-site technical support – training the way you want it.

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