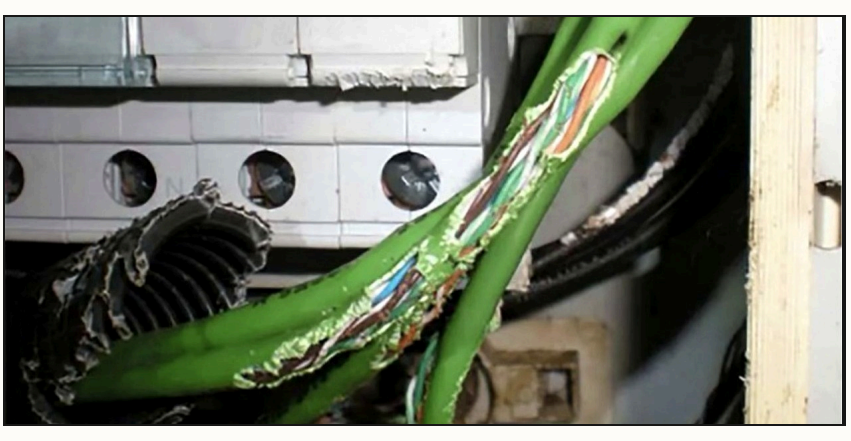
ANTI-RODENT + INDUSTRIAL CABLE FIRE PROTECTION

RATS BITE CABLES



Chewed cores inside a distribution panel — insulation gone, conductors bare, the board still live.

30-DAY LIVE-RAT CHOICE TEST

19 BITES UNCOATED CABLE

0 BITES 7034-COATED CABLE

SAME CAGES · SAME 30 DAYS
FOOD FREELY AVAILABLE

RATED SAFE · RDSO/SPN/204 ANNEXURE G · NABL

Thirteen industrial environments, grouped not by who has rodents — every industry has rodents — but by where one bite becomes a fire, a shutdown or a death. Rats gnaw to wear their teeth down, not to eat. They strip the insulation and leave. The accident starts after the rat has gone.

THE HIDDEN ELECTRICAL ACCIDENT CHAIN

RAT GNAWS CABLE | INSULATION OPENS | CONDUCTOR EXPOSED | ARC / SHORT OVERHEAT | FIRE / SHOCK SHUTDOWN

WORLD FIRST

THE WORLD'S FIRST INTUMESCENT CABLE COATING THAT IS TRANSLUCENT, FLEXIBLE AND ANTI-RODENT.

ANTI-RODENT · RATED SAFE

RDSO/SPN/204 ANNEXURE G · NABL

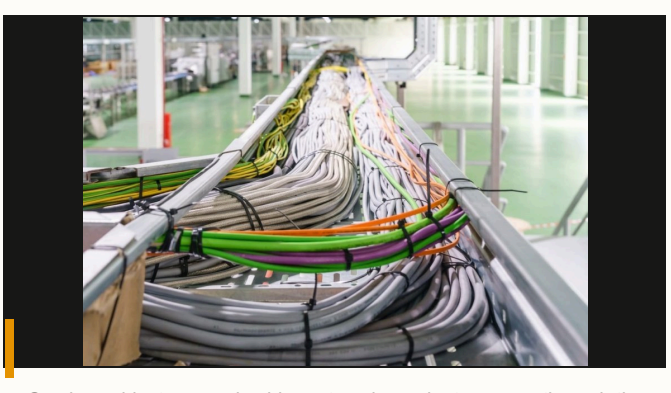
FIRE · 120 MINUTES

IEC 60332-3-22 · CATEGORY A · CBRI

WHERE THE FOOD IS

Rodent pressure highest, and never seasonal

Rodent gnawing a cable run — the incisors can reach the conductor in a single sitting.

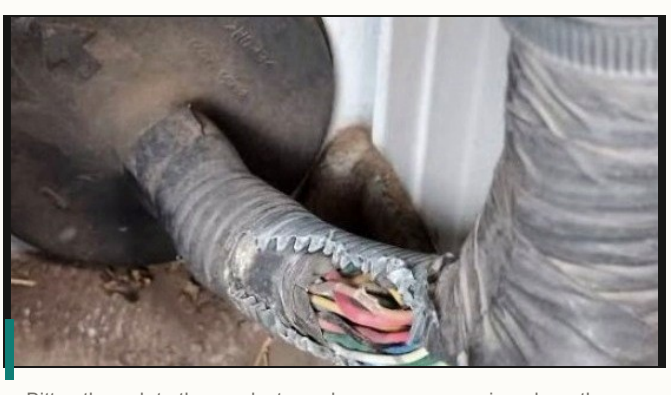


Service voids, trays and cable routes give rodents access through the plant.

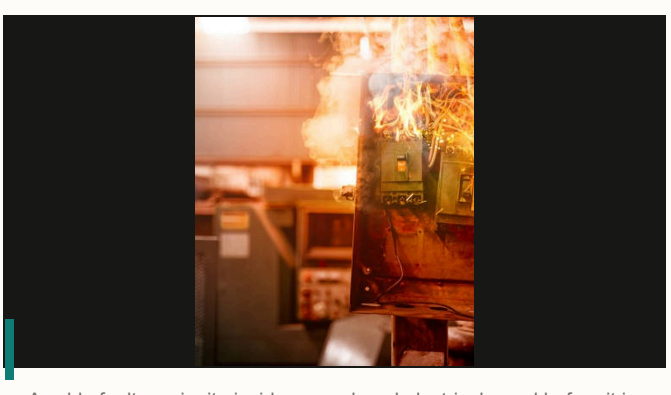
	INDUSTRY	WHY THE RODENTS ARE THERE	WHERE TO COAT
01	FOOD PROCESSING, DAIRY & BEVERAGE	The product is food. Spillage, wash-down warmth and motor rooms run around the clock.	Trays over production and packing lines · MCC and panel room interiors · utility and chiller corridors
02	GRAIN, SUGAR, RICE & FEED MILLS	Stored grain is the densest rodent habitat in Indian industry.	Conveyor gallery runs · silo and elevator wiring · mill floor panels and DBs
03	COLD STORAGE & WAREHOUSING	Warm plant rooms sit beside chilled halls. Almost nobody is there at night.	Compressor and plant room runs · racking-level conduit · dock and dispatch panels
04	PHARMACEUTICAL & FMCG	Service voids, false ceilings and shafts run above clean rooms.	Shaft runs above clean areas · service void cabling · AHU and utility panel interiors

WHERE PEOPLE CANNOT WALK OUT

Occupants asleep, seated, immobile or underground



Bitten through to the conductor — bare copper remains where the sheath was.

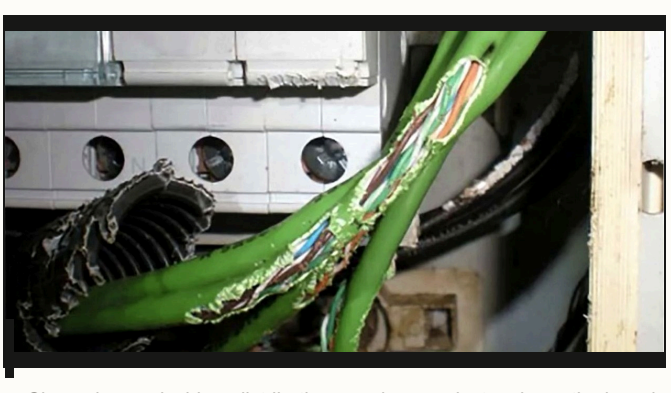


A cable fault can ignite inside an enclosed electrical panel before it is seen.

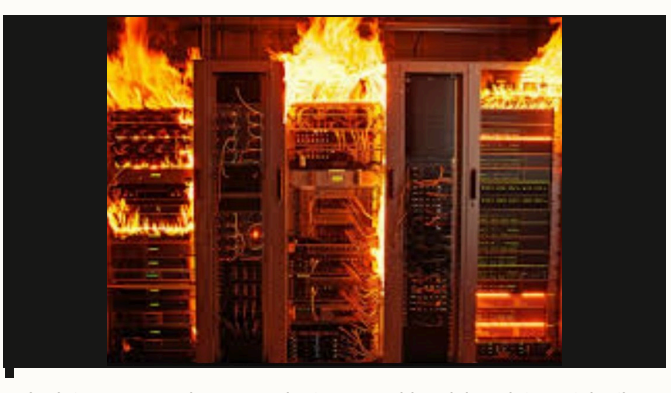
	INDUSTRY	WHY THE RODENTS ARE THERE	WHERE TO COAT
05	HOSPITALS & HEALTHCARE	Kitchens, waste rooms, laundry and round-the-clock warmth. Rodents travel the same shafts and false ceilings as the cabling.	Riser shafts · false-ceiling runs over wards and corridors · ward, OT and diagnostic DBs
06	HOTELS, MALLS & CINEMAS	Kitchens and garbage rooms feed the whole building. Rodents then take the service shafts.	Kitchen and back-of-house runs · vertical service shafts · basement car-park trays
07	HIGH-RISE COMMERCIAL	Basements, refuge floors and riser shafts run the height of the building.	Riser shafts · basement cable trays · floor DB and meter-room interiors
08	RAILWAYS, METRO & AIRPORTS	Signalling troughs, tunnels, station voids, platform catering and cargo sheds.	Signalling and telecom trough runs · tunnel and station-void cabling · cargo-shed trays

WHERE THE LOSS IS TOTAL

One origin point takes the whole installation



Chewed cores inside a distribution panel — conductors bare, the board still live.



In data, power and process plants, one cable origin point can take the whole installation.

	INDUSTRY	WHY THE RODENTS ARE THERE	WHERE TO COAT
09	DATA CENTRES & TELECOM EXCHANGES	Under-floor voids and ceiling plenums are sheltered, undisturbed routes.	Under-floor and plenum runs · tray routes feeding racks · MDB and UPS-room cabling
10	SUBSTATIONS & CABLE BASEMENTS	Trenches, ducts and burrows run under the switchyard. Basements are dark, warm and rarely entered.	Basement and trench runs · duct and gland entries · control and relay-panel interiors
11	SOLAR PLANTS & BATTERY STORAGE	Rural sites. Burrows under module rows; string and DC cable at grade.	String and DC cable at grade · combiner-box interiors · inverter and battery-room runs
12	REFINERIES, PETROCHEMICAL & FERTILISER	Mains are armoured. Control and instrumentation cable, panel interiors and tray runs are not.	Control and instrumentation trays · panel and junction-box interiors · sleeper crossings
13	STEEL, CEMENT, MINES & HEAVY INDUSTRY	Canteens, stores and substation rooms carry the rodent load into the plant. Pit-head and workshop equipment is cabled throughout.	MCC and substation-room runs · exposed control cabling · DB, starter and machine-panel interiors

THE GAP NOTHING ELSE CLOSES

PEST CONTROL PROTECTS THE ROOM. IT CANNOT PROTECT THE CABLE.

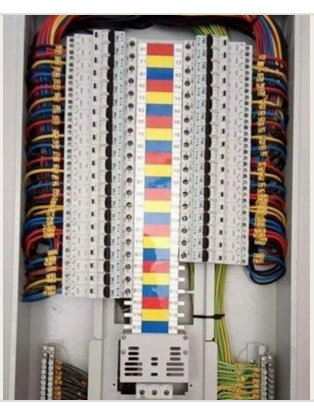
Every plant on this list already pays a pest-control contractor. He baits, traps and seals the room — and has never touched the one surface that actually starts the fire. FIREX EC 7034 protects at the cable itself — and the same coating denies the cable sheathing as fuel if a fault still starts.

AND IT DOES NOT STOP AT THE CABLE RUN

TWO MORE INDUSTRIAL PLACES THE SAME COAT EARNS ITS KEEP.

01 · INSIDE THE ENCLOSURE

WHEN A RAT BITES A CABLE INSIDE A CLOSED PANEL



7034 on panel wiring — translucent, with colours and labels still readable.

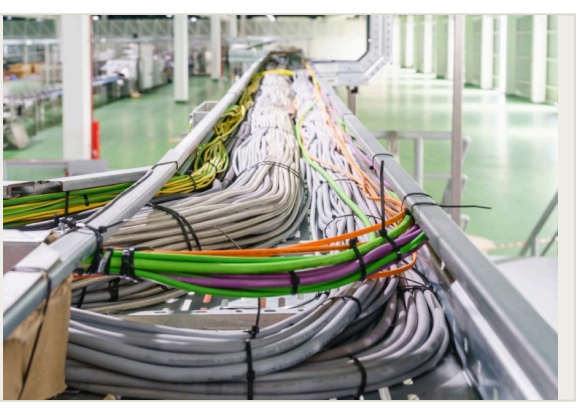
The exposed conductor can arc against nearby components and start a fire inside the box.

Panels, junction boxes, distribution boards, control cabinets, machinery and mining-equipment enclosures. The rodent gets in by the same route the cable does — the gland, the knockout or the cutout at the base.

Coat the wiring and exposed surfaces inside. The rodent is turned away at the film; if a fault still starts — from a rat or a loose termination — the coating denies the wiring as fuel, so flame does not travel out of the box along the cable and down the tray.

02 · OVER AN EXISTING FIRE COAT

FIRE-COATED MAY STILL BE RODENT-UNPROTECTED



Indoor tray runs can retain an existing sound fire coat and gain anti-rodent protection.

Many plants that protected cable runs against fire years ago already carry a water-based intumescent coating. That coating may carry no anti-rodent protection, no RDSO/SPN/204 Annexure G test and no rodent rating. A run can be fire-protected and rodent-unprotected.

On a sound, adhered and compatible existing coat, 7034 can be applied as the anti-rodent overcoat on indoor cable trays, cellars, basements, riser shafts, galleries and plant rooms. Nothing is stripped, re-pulled or taken out of service. The plant keeps the fire coat already paid for and gains the defence it never had.

Indoor installations. Over an existing coating, the old film must be sound and adhered, and a compatibility trial made on a representative length before work is released. Fixed wiring and enclosure interiors — not the flexing length of drag-chain or trailing cables. Fire and rodent ratings stated here are for FIREX EC 7034 as tested at 1.5 mm direct to cable; the 0.5 mm overcoat build is an application recommendation. Ratings are not additive with another manufacturer's coating.

WHERE INDUSTRY SHOULD START

COAT THE CABLE BEFORE THE BITE BECOMES THE FIRE.

START WITH: MCCS & PANELS · CABLE BASEMENTS · RISER SHAFTS · DATA / UPS ROOMS · CONTROL & INSTRUMENTATION TRAYS

ONE COATING SYSTEM. ANTI-RODENT + FIRE PROTECTION.

STANVAC CHEMICALS (INDIA) LTD
stanvac.com