



THORNE & DERRICK UK
LV-HV CABLE INSTALLATION, JOINTING & POWER PRODUCTS
ATEX HAZARDOUS AREA ELECTRICAL DISTRIBUTOR
CABLE CONTAINMENT SYSTEMS

BUILDING SERVICES • POWER • UTILITIES (Electric, Water, Gas) • SWITCHGEAR • OIL, GAS, PETROCHEM
 OFFSHORE • MARINE • RAIL • MINES & QUARRIES • DNO'S

T&D for **DISCOUNTS • STOCK • SERVICE**

 RICHARD DERRICK Managing Director	 CHRIS DODDS LV-HV Electrical Eqpt. 	 MIKE RYAN Hazardous Area Electrical Equipment & Earthing 	 JEFF JHANKE LV-HV Electrical Eqpt. 	 JONNY HEWITT Cable Containment 	 NICK THOMPSON Earthing & Surge Protection 	 TERRY McDONALD Trace Heating Building Services 	 ADAM ROWE Trace Heating Industrial Process 
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3M Scotchcast cable joints and resins, 3M Scotchlock connectors, 3M Scotch tapes and Cold Shrink high voltage cable joints, terminations and abandonment kits.

Cold Shrink Cable Joints, Terminations, Abandonment



ABB surge arresters, fuses, joints, terminations.

HV Electrical Equipment



A-BELCO Reyrolle Easigo industrial plugs and sockets provide an extensive choice of protected type non-reversible, single and three phase plug and socket units.

Plugs & Sockets



Abtech electrical enclosures for industrial, high voltage and hazardous area (ATEX) applications including stainless steel, mild steel, fire rated, GRP, aluminium and polycarbonate enclosures.

Electrical Enclosures



Alroc cable jointing and preparation tools including screen removers, cable insulation and cable sheath strippers.

High Voltage Jointers Tools



BAND-IT stainless steel cable ties and banding systems offer excellent corrosion, strength and temperature performance.

Stainless Steel Cable Ties





Baur cable fault locators and cable test sets for LV-HV cable networks.

Cable Fault Locators & Cable Test Sets



Boddingtons Electrical insulated tools, cable preparation tools and electrical safety products.

Insulated Tools, Mats, Ladders, Rescue Hooks, Cable Guard



Bussmann low voltage fuses including industrial, compact dimension, semi-conductor protection, motor circuit, street lighting, IEC and DIN standard fuse-links.

Fuses



Cable detection equipment for the location and tracing of underground pipes and cables.

Cable Detection



CATU electrical safety equipment: insulating gloves and tools, rescue hooks, life rescue kits, voltage detectors, short-circuiting and earthing systems.

Electrical Safety & Substation



Cembre crimp connectors and cable lugs - ratchet, hydraulic and battery crimping and cable cutting tools.

Crimping & Cutting Tools, Cable Lugs



Centriforce underground cable protection for LV-HV power and fibre optic cables including Stokboard, Centritile and Tape Tile ranges.

Underground Cable Protection



Charles Endirect street lighting cut-outs, isolators, feeder pillars and CET earthing for SWA cables.

Street Lighting



Chromalox immersion heaters and industrial process heaters for water, oils, viscous fluids, solvents and gases.

Immersion Heaters & Process Heating



Craig & Derricott design and manufacture both hazardous and non hazardous industrial control gear/switchgear.

Emergency Stop/Starts, Push Buttons, Control Stations, Rotary Switches



CMP industrial, flameproof, LSF, universal and barrier cable glands including Triton Zen, Solo and CIEL high voltage cable glands.

Cable Glands





CSD RISE duct seal system is a multi-cable and pipe transit sealing system providing an effective and simple solution.

Duct Sealing



CTL Clearcast low voltage resin cable joints to suit XLPE, EPR, PVC, PILC and utility cables - straight, branch, transition and pot-end cable joints.

Cable Joints, Low Voltage



Denso specialised pipe and structural coatings and marine protection systems including tapes, brush and spray applied liquid coatings, mastic primers and sealants.

Waterproofing Mastics, Sealants & Tapes for Utility Cables and Pipes



Ellis Patents cable cleats are designed to fix, retain and support cables: stainless steel, aluminium and nylon cable cleats including Emperor, Atlas, Vulcan and Varicleat ranges.

Cable Cleats



Spelsberg junction boxes are available as empty housings or fitted with terminals – LSF and ATEX junction boxes at lowest cost.

Junction Boxes



Ferraz Shawmut LV-HV fuse links and fusegear circuit protection solutions.

LV-HV Fuses



Furse copper earth tape, earth bars, earth rods, earth plates. Surge protection for mains power supplies, signal, telephone and electronic systems for building services.

Earthing & Surge Protection



Hellermann Tyton heat shrink tubings including thin wall, medium wall and heavy wall adhesive lined for sheath repair, strain relief and mechanical protection.

Heat Shrink



Lawson low voltage fuse links: industrial, compact dimension, motor circuit, utility, street lighting and DIN standard fuses.

Fuse Links



Network Rail and London Underground Limited approved electrical equipment.

Rail Electrification



LMK Thermosafe drum and IBC heaters for safe and hazardous area process heating up to 1000 litres.

Drum Heaters & IBC Heaters





Lucy Lighting street lighting and house service cut-outs, isolator units, fuse units and Fortress feeder pillars in cast iron, stainless and galvanised steel.

Feeder Pillars



Marechal plugs and sockets provide low voltage power supplies for standard, industrial, high current and hazardous areas (ATEX).

Plugs & Sockets



MCT Brattberg cable transit system provides a certified cable and pipe seal. MCT Brattberg cable transits and pipe penetration seals are installed in walls and floors to maintain fire, gas and water integrity.

Cable Transit



Newson Gale offer a wide range of earthing and bonding, static earthing and anti static electricity control solutions for flammable, combustible and explosive atmospheres.

Static Earthing Systems, Self Testing Clamps, Static Bond Indicating Systems



Nexans Euromold screened separable connectors and elbows are used to terminate high voltage cables into switchgear and transformer bushings up to 33kV.

Screened Separable Connectors



Panduit cable accessories are specified in telecommunications, OEM's, construction, utilities, oil, gas and petrochem industries.

Cable Ties, Lock Out & Tag Out Systems, Cable Marking Systems



Peppers cable glands including industrial, flameproof, universal and barrier glands.

Cable Glands



Pfisterer Connex high voltage cable joints, terminations and connection systems for gas insulated switchgear: inner cone plug cable terminations, multiple sockets and surge arresters.

High Voltage Electrical Equipment



Polypipe underground cable ducting for LV-HV power, telecoms and fibre optic cables.

Underground Cable Duct



Prysmian cable joints, terminations, glands and cleats including hook, claw, trefoil, Multicleat and Telcleat ranges.

Cable Cleats, Glands & Joints



PT Technologies manufacture solvent and water based wipes and lubricants.

Electrical and Cable Cleaning





Roxtec cable transits protect against fire, vibration, temperature variations, pull tension and shockwaves.

Cable Transits



Salisbury arc flash protection and PPE including arc flash suits, jackets and face shields.

Arc Flash Clothing & PPE



SEB cable laying rollers, socks, drum jacks and conduit rods for trench and duct applications.

Cable Laying, Rollers, Jacks, Conduit Rods



Seba KMT design and manufacture tools and equipment that assist in the diagnosis, fault location and tracing of underground power, telecommunication and pipe networks.

Pipe, Cable Location, Telecom Fault Location, Electrical Power LV & HV



SIBA fuses for the protection of high voltage transformers, motors, switchgear and capacitor circuits.

Fuses, High Voltage



Siemens SITOR semi-conductor fuses are intended for protecting diodes and semi-conductors.

Fuses, Semiconductor



Thermon trace heating cables for frost protection, hot water, gutter heating, ramp heating and hazardous area ATEX process heating systems.

Trace Heating



Thomas & Betts high performance Ty-Rap cable ties with stainless steel locking heads for industrial, hazardous area, construction and high voltage cable installations.

Cable Ties



Tofco feeder pillar cabinets, control panels, street lighting cut outs and passive safety equipment.

Feeder Pillars, Control Panels, Street Lighting Cut-outs & Passive Safety Equipment



WT Henley house service and street lighting cut-outs, multi service pillars, fusegear, polyurethane resins and plastic compounds.

Fusegear & Cut Outs



AN Wallis earthing, lightning protection and low-voltage surge protection systems.

Earth Rods, Tapes, Bars and Surge Protection





THORNE & DERRICK UK

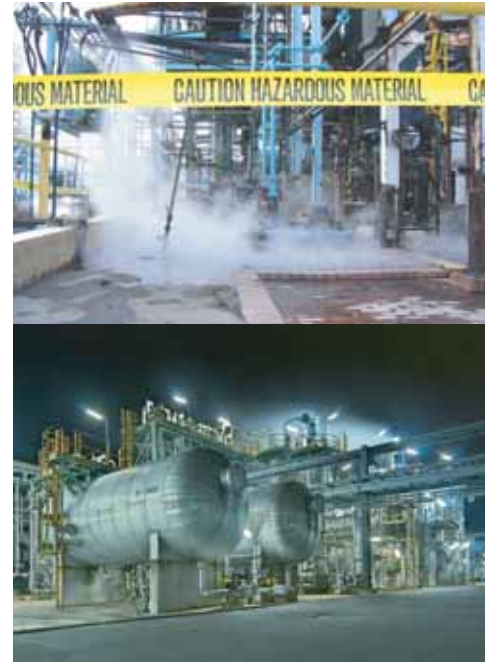
HAZARDOUS AREA ELECTRICAL EQUIPMENT



Thorne & Derrick are a leading hazardous area electrical distributor of Flameproof, Explosion Proof and Intrinsically Safe electrical equipment for zone 1, 2, 21 and 22 hazardous areas - this includes ATEX and DSEAR compliant equipment.

T&D design, supply and install Trace heating systems for industrial temperature maintenance and frost protection of process pipework, including ATEX certified systems - we can satisfy all engineering specifications and deliver projects "on-time, in-budget".

- Cable Containment (Tray, Ladder, Basket)
- Cable Glands, Cleats & Ties
- Cable Joints, Terminations & Abandonment
- Control Panels
- Digital Cameras (Intrinsically Safe)
- Duct Seals
- Earthing, Lightning & Surge Protection
- Electrical Safety & Arc Flash PPE
- Emergency Shutdown, Call Points, Breakglass
- Feeder Pillars & Distribution Panels
- Junction Boxes (Electrical Enclosures)
- Lighting (Fluorescent, Recessed, Portable, Bulkhead, Floodlit, LED)
- Local Control Stations
- Plugs & Sockets
- Power Switching
- Sounders & Beacons (Audible Alarms)
- Torches
- Trace Heating Systems



With this extensive hazardous area product range Thorne & Derrick service the oil, gas, petrochemical, offshore, marine, pharmaceutical, power and nuclear industries.

Hazardous area electrical enquiries are handled by our SIRA trained representative Mike Ryan.
Tel: 0191 490 1547 michaelryan@thorneandderrick.co.uk



3M Scotchcast cable joints and resins, 3M Scotchlock connectors, 3M Scotch tapes and Cold Shrink high voltage cable joints, terminations and abandonment kits for hazardous areas.

Cold Shrink Cable Joints, Terminations, Abandonment



Abtech hazardous area electrical enclosures (zone 1 and 2) in aluminium, GRP, mild or stainless steel with ATEX certification for low and high voltage power distribution up to 33kV.

Electrical Enclosures



Clifford & Snell hazardous area, explosion proof, industrial and general purpose beacons (strobes), sounders (horns) and manual call point stations.

Beacons (Strobes), Sounders (Horns) & Manual Call Points



Ecom Instruments offer a range of ATEX Ex hazardous area explosion protected mobile phones and laptops for use in zone 1 or zone 2.

Intrinsically Safe ATEX Mobile Phones, Computing & Lighting



www.cablejoints.co.uk



Exheat hazardous area electrical heating products include immersion, line, skid, drum and flow heaters for process temperature maintenance.

ATEX Air Heaters, Immersion Heaters, Line Heaters, Water Heaters



Extronics intrinsically safe digital camera is the perfect visualisation tool for zone 0 hazardous areas with ATEX and IECEx certifications.

ATEX Zone 0 Digital Cameras



Hadar hazardous area and safety lighting - flameproof, emergency, zone 1, zone 2, fluorescent and luminaire lighting.

Flourescent, Recessed, Bulkhead, Wellglass, Floodlight and Portable Lighting



Kopex flexible metallic and non-metallic conduit systems with ATEX certification for safety critical cable management.

Conduit Systems



LMK Thermosafe heating products are used to heat steel drums, barrels, containers, gas bottles or process vessels in zones 1 and 2.

Induction Drum Heaters, IBC Heaters, Flexible Heating Jackets



Marechal plugs and sockets provide low voltage power supplies (1000v) up to 600amps with ATEX certification for use in explosive atmospheres and zones 1, 2, 21 and 22.

Plug & Sockets



Prysmian cable joints, terminations, flame proof cable glands and cleats including hook, claw, trefoil, Multicleat and Telcleat ranges.

Cable Cleats, Glands & Joints



Technor hazardous area flameproof and explosion proof (Ex d) electrical equipment is specified in the oil, gas and petrochemical industries.

Enclosures, Control Stations, Lighting, Switches, Gas Detection



Thermon & Raychem T&D's trace heating services include the design, supply and installation of hazardous area trace heating systems for zone 1 and 2 applications.

Trace Heating Cables and Systems



Walsall (Pepperl+Fuchs) explosion protected products range from lighting and enclosures through to local control and distribution systems with ATEX certification for zones 1, 2, 21 and 22.

Control Stations, Enclosures, Distribution Boards, Breakglass & Power Switching



Wolf Safety Lamp explosion protected safety lamps and portable lighting for hazardous areas and ATEX certified for zone 1 and zone 2.

Portable Lighting (Torches, Handlamps, Headlamps)





LV-HV ELECTRICAL SAFETY

T&D UK distribute Electrical Safety Equipment and PPE to the LV-HV utility, rail, construction and renewable energy industries - this covers LV, HV and EHV substation, wind turbine, switchgear and overhead distribution line projects both onshore and offshore.

Personal Safety and Fall Arrest Equipment for working at Height and Rescue in utility and wind energy sectors - fall arrest harnesses, lanyards, safety boots and life rescue equipment.



Class 00-4 (500V to 33kV) insulating gloves for LV-HV cable and electrical engineers.

Insulated Gloves



LV-HV safety matting up to 33kV for working on open switchboards and live equipment.

Switchboard Rubber Matting



Voltage detectors for underground cables, overhead lines and 66-132kV transmission applications.

Voltage Detector & Phase Comparators



Protective switching suits for "racking-in and racking-out" of electrical equipment.

Arc Flash PPE



LV-HV earthing kits for underground cables, substation and overhead lines, including DNO specifications.

Portable Earthing Systems



High voltage substation life rescue and intervention kits.

Life Saving Substation Rescue Kit



Isolated electricity supply to LV-HV substations and equipment.

Lock-out Tag-out



Rescue sticks for safe retrieval of electric shock victims, rated up to 45kV.

Rescue Hooks

Tool sets for cable jointers, electrical engineers and utility contractors.



Insulated & Live Line Tools

Climbing workwear boots for power and telecomms workers, this includes HAIX and Royer brands.



Safety Boots

LV-HV insulating rubber boots protect against step and touchpotential gradients.



Insulated Boots

Vacuum Packed Rescue Equipment



Fall arrest harnesses for safe working on onshore and offshore wind turbines.



Cresto Fall Arrest Harness

Fall arrest harnesses for safe working on onshore and offshore wind turbines.



Sirocco Fall Arrest Harness



HV CABLE INSTALLATION & ELECTRICAL EQUIPMENT

T&D distribute LV-HV Cable Jointing, Laying, Installation equipment and tools to utility and industrial electrical contractors involved in substation, cable laying and jointing at LV, 11kV, 33kV up to 132kV.

T&D Core Products Groups:

- Jointing, Glanding & Terminating
- Earthing & Lightning Protection
- Cable Cleats, Ties & Clamps
- Crimping, Cutting & Jointing Tools
- Cable Ducting & Duct Seals
- Underground Cable Protection
- Cable Pulling & Laying
- Substation & OHL Electrical Safety
- Cable End Boxes (up to 66kV)
- Cable Fault Locators & Test Sets
- Arc Flash PPE
- Cable Containment - Tray, Ladder, Basket, Trough
- Transformer & Switchgear Bushings & Fuses



HV CABLE JOINTS & TERMINATIONS

T&D SPS provide the UK's most competitive prices, largest stocks and first class service for LV-HV Heat Shrink Cable Joints and Terminations - this includes single and three core XLPE, PILC, EPR and Triplex kits for BS6622, BS7835, BS6883 and BS7870 high voltage cables.



- **High Quality** - performance tested to IEC60502, VDE0279, HD625 & HD629
- **Complete Range** - 3.3kV, 6.6kV, 11kV, 24kV and 33kV operating voltages
- **Jointer Friendly** - no retraining required, cable preparation in accordance with standard practice
- **Excellent Service** - ex stock delivery at most competitive prices

HV JOINTS

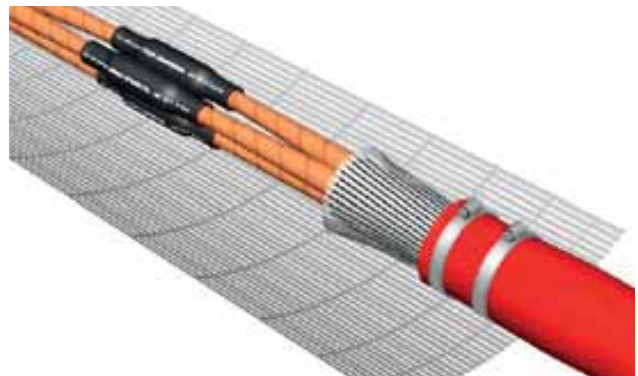
3.3/33kV Single & 3 Core XLPE, PILC, EPR Cable Joints

6.6/11kV 3 Core Straight, Branch & Transition Joints

11kV Triplex Joints

Live Pot End & Cable Abandonment Kits

Cable Repair Kits



HV TERMINATIONS

3.3kV Single & 3 Core Cable Terminations

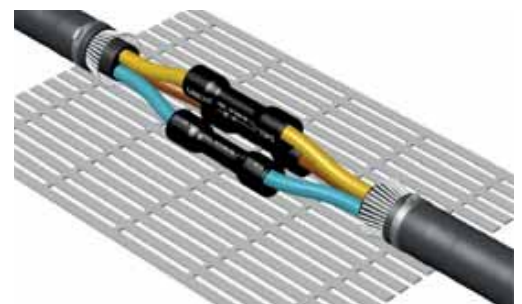
6.6/33kV Single & 3 Core XLPE, PILC, EPR Terminations

11kV Triplex Terminations

Bushing Boots, Bolt on Cable Glands, Lugs, Accessories

LV CABLE JOINTS

- Power, Telecom & Control Cable Joints
- LSF Tunnel Cable Joints
- Fire Resistant FP Cable Joints
- Airfield Ground Lighting Cable Joints
- Rail Cable Joints - Network Rail PADS
- Motorway Comms & Traffic Control Joints
- Offshore & Marine Cable Joints



Jonny HewittCable Containment Sales
Tel: 0191 490 1547

CABLE CONTAINMENT

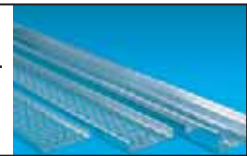
T&D UK stock and distribute the complete range of industrial cable containment including cable basket, ladder and tray for low and high voltage power, control, instrumentation and data cable support. T&D UK meet the cable containment requirements of the oil, gas, petrochem, rail, utilities, construction, offshore, power and hazardous area site installations.



Cablofil wire mesh cable basket provides the highest quality cable containment system - strong, fast, safe, clean and ventilated LV-HV cable support.

Cable Basket

Unitrunk cable tray available in light, medium and heavy duty versions and made from pre or post galvanised steel (epoxy or powder coated) and stainless steel grades 304 and 316.

Cable Tray

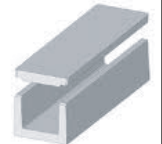
Vantrunk cable ladder is available in 3 section heights for all low and high voltage power cable containment and routing applications.

Cable Ladder

Mita GRP cable tray is specified by Network Rail for the containment of power, signal and telecoms cables - this includes London Underground (LUL) approved low, smoke and fume type cable tray.

Cable Tray GRP & LSF Zero Halogen

Anderton concrete cable trough is available in a range of depths to support trackside cables on mainline, light rail and underground train systems.

Concrete Cable Trough

CABLOFIL BENEFITS

Cablofil cable basket tray systems provide reliable, tested and trusted containment for all industrial low and high voltage cables:

- **Power** – LV-HV power cable containment of 11kV-33kV high voltage cable networks with 130KA short circuit withstand.
- **Oil, Gas, Petrochem** – Stainless steel cable tray withstands degradation and attack caused by aggressive acids, solvents and chemicals, ideal for hazardous area cable containment.
- **Marine & Offshore** – 316 stainless steel marine grade for offshore cable support (LV, 3.3kV, 6.6kV, 11kV) – DNV approved.
- **Water** – Incorporated into WIMES Issue 4 2011 for low voltage cable containment.
- **Food** – Minimizes contamination risk ensuring food safety – 90% open design reduces dust and debris build-up on cable tray.
- **Fire Resistant** – Containment for LV and HV critical cable circuits, including Prysmian FP and Draka Firetuf types.



CABLOFIL FACTS & FIGURES

*Direct replacement for return flange cable tray - average 30% cost savings. *Replaces cable ladder systems - average 50% cost savings. *55% lighter, 27% stronger than return flange cable tray - quick and easy to install.

Cablofil recommend support spans on 2 metre rather than 1.2 metre (on 1000m cable tray installations this is a saving of 333 brackets, approximately £4995.00).

