Thermo Cables

Thermo Cables is a recognized and preferred brand across various industries including Oil & Gas, Railways, Navy, Defence, Renewable Energy, Nuclear Power, Process Industries, Power etc, exporting 50% of products. Established in 1990, it is a leading manufacturer of various types of speciality cables. Thermo Cables is a part of Thermo Group - a multi-product & multi-service organization with other group companies:

Thermopads: A specialist in Commercial, Domestic and Industrial Heating

Thermosystems: An EPC company in the field of Fuel Oil Handling Systems, Fire Detection Protection Systems etc.

Major Approvals

ADNOC - OFFSHORE
ADNOC - ONSHORE
ALBA
AP GENCO
AP TRANSCO
AVANT GARDE
BDL, BEL
BHEL, BLW
BOROUGE
BPCL
CLW, CMRL, CSL
DLW, DMW
DLRL, DMRL
DMRC
DESEIN LTD
DGMS, DVC
DRDO, DRDL
EGA
ENGINEERS INDIA LTD
FICHTNER CONSULTING
GRSE, GSPC
GOA SHIPYARD
HINDUSTAN SHIPYARD
HPCL, HAL, HMRL
IOCL, ICF, ISRO
JACOB'S H & G
KNPC, KUWAIT
KOC, KUWAIT
L & T
MATERIAL ORGANISATION - KARWAR
MATERIAL ORGANISATION - MUMBAI
MATERIAL ORGANISATION - VIZAG
MECON, MCF
MN DASTUR & CO.
MAZGOAN DOCK LIMITED
MUMBAI PORT TRUST
NPCIL, NSTL, NTPC
ONGC
PDIL, PGCIL
PDO OMAN, PETRONAS
QATAR PETROLEUM
RCF
SAIL
TATA CONSULTING ENGINEERS
TECNIMONT ICB LTD
TOYO ENGINEERING INDIA LTD
THYSSENKRUPP

Stringent quality requirements, global standards of precision and increasingly demanding customers are the order of the day. Thermo Cables, sensitive to this reality, designs, manufactures and supplies a wide range of cables to satisfy customers' specifications and requirements.

Product Range

- Instrumentation Cables
- Power & Control Cables
- Thermocouple Cables
- Fire Resistant Cables
- Renewable Energy Cables
- High Temperature Cables
- Material Handling Cables
- Foundation Fieldbus Cables
- VFD Cables
- Cathodic Protection Cables
- Railway Cables
- Naval Application Cables
- Marine/Shipboard Cables
- Pressure Tight (PT) Cables
- Special Application (LFH) Cables
- Co-Axial Cables (RG Series)
- Custom Wiring & Cable Harnesses
  - Railway
  - Defence
  - Wind
- IV Coupler & Jumper Cable Assembly
- Cable Systems

Why Us

- Leading & reputed manufacturer of Specialty Cables
- One stop solution for all Low Voltage Cables
- Serving satisfied customers since 30 years across 60+ countries
- In-house wire drawing, compounding, Electron beaming and testing facilities
- Quick response time and offer submission in less than 24 hours

Standards

- Cables designed and manufactured conforming to various National and International Standards:
  ANSI MC 96.1, BS-6346, BS-5467, BS-7919, BS-7629, BS-6387, BS-7846, BS-5308-I & II, BSEN 50288-7, DEF-02 526, DEF-02 527, EED 50-12, 50-13, IEC-60502-I, IEC-60189-I & II, IEC-60228, IEC-60092 350 353 376, IEC-60584-I & III , IEC-60331, IS-8784, IS-613, IS-694, IS-1554-I, IS-7098-I, IS-9968-I, JSS-51034, JSS-51038, MIL-C-17, MIL-DTL-22759/86A, MIL-DTL-22759/87A, MIL-DTL-27500H, MIL-DTL-24640C, MIL-DTL-24643C, UL-1581, UL-758, VDE-0815, VDE-0816, VG-95218 60-66, EN 50306-1, 2, 3, 4, EN 50382-1, 2, EN 50264-1, EN 50264-3-1, EN 50264-3-2 etc.

Quality & Reliability

- An ISO 9001, 2015 certified company with proven track record of delivering quality products
- NABL accredited full-fledged in-house testing laboratory
- Environment, Occupational Health and Safety Systems adhering to ISO 14001-2015, 45001-2018
- 15% of power consumption sourced through in-house generated renewable energy

Valuable Assets

- Over 3,00,000 sq ft of infrastructure facilities with latest technology
- 1000+ dedicated & high performing workforce
- Experienced & professional leadership team
- Offers technical support in cable selection through SAP

Railway Cables

Thin Walled Electron Beam Irradiated Flexible Elastomeric Cables With Copper Conductors

Electron beam irradiated thin walled flexible cables with copper conductor, limited fire hazard, minimum flame spread, low smoke emission and limited toxic fume emission properties.

Specification : ELRS / SPEC / ELC / 0019, Rev.4
Temperature Range : - 40° C to 120° C
Conductor : Electrolytic flexible annealed tinned copper (Class 5)
Application : For use in power, auxiliary as well as control circuits of conventional tap changer electric locomotives AC / DC EMU, BG AC EMU & MEMU / coaching stock

Data Sheet - 2 A : Table - 1
Cable Type : Singe Core Cable (single layer)
Size : 1.5 Sq mm to 150 Sq mm
Voltage Grade : Up to 750 V
Insulation : EBXL EVA

Data Sheet - 2 A : Table - 2
Cable Type : Singe Core Cable (dual layer)
Size : 1.5 Sq mm to 300 Sq mm
Voltage Grade : Above 750 V & up to 1.8 / 3.0 KV
Insulation : EBXL EPDM
Sheath : EBXL EVA
Colours : Red / Yellow / Blue / Black / Grey / GNYE / Chocolate / White as per customer requirement

Data Sheet - 2 B : Table - 1
Cable Type : Multi Core Cables 19 Core 2.5 Sq mm and 19 Core 4.0 Sq mm
Voltage Grade : Above 750 V & up to 1.8 / 3.0 KV
Insulation : EBXL EPDM
Sheath : EBXL EVA

Thin Walled Electron Beam Irradiated Flexible Elastomeric Cables With Copper Conductors as per EDTS 132, REV-C

LFH type cables i.e. minimum flame spread, low smoke and toxic fume emission.

Data Sheet-1 (Single Core Cable)
Voltage Grade : 1800 V / 3000 V
Conductor : Circular annealed tinned copper (Class 5)
Insulation : EBXL EPDM
Sheath : EBXL EVA (black)

Data Sheet-2 (Single Core Cable)
Voltage Grade : 600 V / 1000 V
Conductor : Circular annealed tinned copper (Class 5)
Insulation : EBXL EVA (grey)

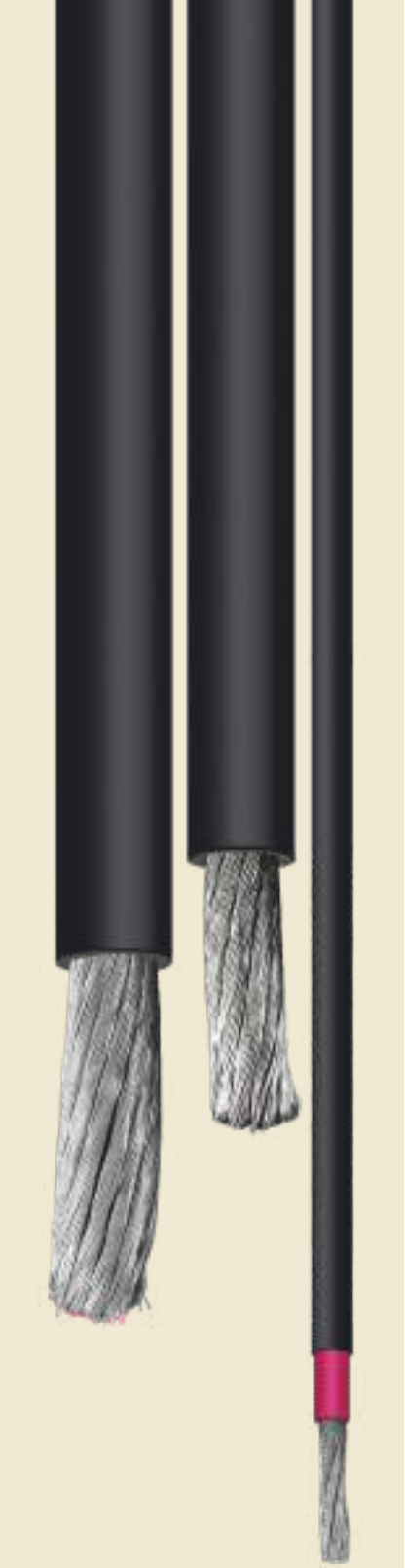
Data Sheet-3 (Multi Core Unscreened Cable)
Voltage Grade : 600 V / 1000 V
Conductor : Circular annealed tinned copper (Class 5)
Insulation : EBXL EPDM (white, brown, black & green / yellow coloured cores)
Sheath : EBXL EVA (black)

Data Sheet-4 (Multi Core Screened Cable)
Voltage Grade : 600 V / 1000 V
Conductor : Circular annealed tinned copper (Class 5)
Insulation : EBXL EPDM (white, brown, black & green / yellow coloured cores)
EMC Screen : Annealed tinned copper
Sheath : EBXL EVA (black)

Data Sheet-5 (UIC Cable)
ITEM 1-4Q x 1 Sq mm + 1P x 0.75 Sq mm (18 core cable)
ITEM 2-5Q x 1 Sq mm + 1P x 0.75 Sq mm (22 core cable)
Voltage Grade : 300 / 300 V
Conductor : Circular annealed tinned copper (Class 5)
Insulation : EBXL EPDM (white numbered cores)
EMC Screen : Annealed tinned copper
Sheath : EBXL EVA (black)

Data Sheet-7 (Multi Core Unscreened Cable)
Voltage Grade : 600 V / 1000 V
Conductor : Circular annealed tinned copper (Class 5)
Insulation : EBXL EPDM (white numbered cores)
Sheath : EBXL EVA (black)

Temperature Range : - 40° C to 120° C
Application : For power, signalling & control application in coaches



Railway Cables

Single Core Cables for Electric Locomotives Types WAG-9, WAG-9H, WAP-5 & WAP-7

Limited fire hazard electrical insulation cable, dual wall insulation, low smoke halogen free, flame retardant, excellent resistance to high and low temperature, oil, ozone, weathering and abrasion flexible easy strippable.

Specification : CLW / ES / 3 / 0458 Alt. E (4 GKW, 9 GKW, 3 GKW)
Temperature Range : - 40° C to 120° C
Application : For the purpose of use in power, control, sensor and driver circuits for protected installation, inside and outside railway rolling stock to connect fixed and moving parts.

Data Sheet-1
Cable Type : Single Core Cable
Size : 1.5 Sq mm to 150 Sq mm
Voltage Grade : 4 GKW (1.8 KV)
Conductor : Circular flexible annealed tinned copper (Class 5)
Insulation : EBXL EPDM
Sheath : EBXL EVA

Data Sheet-2
Cable Type : Single Core Cable
Size : 10 Sq mm to 150 Sq mm
Voltage Grade : 9 GKW (4.0 KV)
Conductor : Circular flexible annealed tinned copper (Class 5)
Insulation : EBXL EPDM
Sheath : EBXL EVA

Data Sheet-3
Cable Type : Single Core wire Red / YGS / GYS colour 0.5 Sq mm
Voltage Grade : 3 GKW (300 V / 500 V)
Conductor : Stranded tin plated copper
Insulation : EBXL EVA

Multi Core Cables for Electric Locomotives Types WAG-9, WAG-9H, WAP-5 & WAP-7

Limited fire hazard electrical insulation cable, dual wall insulation, low smoke halogen free, flame retardant, excellent resistance to high and low temperature, oil, ozone, weathering and abrasion flexible easy strippable.

Specification : CLW / ES / 3 / 0459 Alt. C
Temperature Range : - 40° C to 120° C
Application : For the purpose of use in control, sensor and driver circuits for protected installation, inside and outside railway rolling stock to connect fixed and moving parts.

Data Sheet-1
Cable Type : Multi Core Screened & Unscreened Cables
Voltage Grade : 300 V / 300 V (0.5 Sq mm)
Conductor : Circular flexible annealed tinned copper (Class 5)
Insulation : EBXL EPDM
EMC Screen : Annealed tinned copper
Sheath : EBXL EVA

Data Sheet-2
Cable Type : Multi Core Screened & Unscreened Cables
Voltage Grade : 600 V / 1000 V (1.0 Sq mm)
Conductor : Circular flexible annealed tinned copper (Class 5)
Insulation : EBXL EPDM
EMC Screen : Annealed tinned copper
Sheath : EBXL EVA

Railway Cables

Control Wires for Diesel Electric Locomotives including AWG Size # 3 & Smaller

Thermosetting, flame retardant, oil grease resistant compound also resistant to moisture, caustic cleaning solutions, high ambient conditions, electrical overload conditions, abrasion, cut-through, compression and crush force and low smoke and acid gas generation properties.

Specification	:	EDPS 179 (EMD - 9094883 / 40059175 / 40015785 / 40071896, EL / PT / 505 ALT R2, EL / PT / 505 ALT-X)
Temperature Range	:	- 65° C to 125° C
Cable Type	:	Single Core Wires
Voltage Grade	:	600 V to 2100 V
Conductor	:	Annealed tinned copper (Class 5)
Insulation	:	Thermosetting flame retardant compound
Application	:	For use within the electrical control system of diesel electric locomotives and other heavy duty industrial equipment

Power Cables for Diesel Electric Locomotives including AWG Size # 1 & Larger

Thermosetting, flame retardant, oil grease resistant compound that is also resistant to moisture, caustic cleaning solutions, high ambient conditions, electrical overload conditions, abrasion, cut-through, compression and crush force and low smoke and acid gas generation.

Specification	:	EDPS 179 (EMD - 9094883 / 40059175 / 40015785 / 40071896, EL / PT / 505 ALT R2, EL / PT / 505 ALT-X)
Temperature Range	:	- 70° C to 130° C
Cable Type	:	Single Core Power Cables
Voltage Grade	:	600 V to 2100 V
Conductor	:	Annealed tinned copper (Class 5)
Insulation	:	Thermosetting flame retardant compound
Application	:	For use within the power distribution of diesel electric locomotives and other heavy duty industrial equipment with variable duty cycle

Digital Data Communication Cables

Various Digital Data Communication Cables like WTB (Wired Train Bus), MVB (Multifunction Vehicle Bus), Ethernet Cables (CAT 5e, CAT 6 and CAT 6A & CAT 7), Fire Resistant / Fire Survival WTB, MVB & Ethernet Cables.

Specification	:	IEC 61156-6 / TIA 568 C.2
Temperature Range	:	- 25° C to + 90° C
Cable Type	:	CAT5e, CAT6, CAT6A, CAT7
Voltage Grade	:	30 V, 125 V, 300 V
Conductor	:	Annealed tinned copper / Annealed bare copper
Insulation	:	Special Polyolefin compound
EMC Screen	:	Screened / Unscreened as per customer requirement
Sheath	:	Special Polyolefin compound
Application	:	For various digital data communication system in Train Communication Network (TCN)
Key Features	:	Good flexibility, low noise, very good EMC compatibility, low toxic & low smoke density, flame retardant and fire performance as per EN 45545-2 HL3

Railway Cables

High Temperature Power Cables having special fire performance for Railway Rolling Stock / Traction / Metro

Specification	:	EN 50382 - 1 & EN 50382 - 2
Temperature	:	- 40° C to + 120° C /- 40° C to + 150° C
Cable Type	:	EN 50382-1 - General requirements EN 50382-2 - Single core silicone rubber insulated cables - 1.8 / 3.0 KV unsheathed with or without textile braid (1.5 mm^2 to 400 mm^2) - 1.8 / 3.0 KV sheathed (1.5 mm^2 to 400 mm^2) - 3.6 / 6.0 KV unsheathed with or without textile braid (2.5 mm^2 to 400 mm^2) - 3.6 / 6.0 KV sheathed (2.5 mm^2 to 400 mm^2)
Voltage Grade	:	1.8 / 3.0 KV & 3.6 / 6.0 KV
Conductor	:	Flexible Annealed tinned copper / Flexible Annealed bare copper
Insulation	:	EI 111 (Silicon Rubber)
Sheath	:	EM 105 / EM 106 / EM 107
Braiding Type	:	A textile braid may be included in the insulation or applied at its surface to unsheathed cables as per the requirement
Application	:	To transmit the power in power conversion systems of all railway vehicles (Locomotives, Metros, EMU, MEMU) with high temp characteristic suitable up to 150° C
Key Feature	:	Halogen free, good flexibility and durability, resistant to mineral oils, resistant to ozone & UV radiation, fire retardant low smoke emission and nontoxic and fire performance as per EN 45545-2 HL3

Thin walled Single Core, Multi Core, Multi Pair Cables with special fire performance for Railway Rolling Stock / Traction / Metro

Specification	:	EN 50306-1, EN 50306-2, EN-50306-3, EN 50306-4
Temperature Range	:	- 40° C to +120° C
Cable Type	:	EN 50306-1 - General requirements - EN 50306-2 - Thin wall single core cables - Single Core thin walled insulated wires (0.5 mm^2 to 2.5 mm^2) - EN 50306-3 - Single Core and Multi Core cables screened and thin wall sheathed - Single Core & Multi Core (1 to 4 cores) screened and thin wall sheathed (0.5 mm^2 to 2.5 mm^2) - EN 50306-4 - Screened and unscreened cables for Multi Core & Multi Pair with standard wall sheathed - Unscreened, sheathed for Class-E or Class-P, Sizes: 0.5 mm^2 to 2.5 mm^2 (No of Cores: 2 to 48) - Screened, sheathed for Class-E or Class-P, Sizes: 0.5 mm^2 to 2.5 mm^2 (No of Cores: 2 to 8) - Screened, sheathed for Class-E or Class-P, Sizes: 0.5 mm^2 to 1.5 mm^2 (No of Pairs: 2 to 7)
Voltage Grade	:	300 V
Conductor	:	Flexible annealed tinned copper conductor
Insulation	:	Special Polyolefin cross linked copolymers as per 3.1 of EN 50306-1
EMC Screen	:	Annealed tinned copper screened
Sheath	:	Special Polyolefin cross linked copolymers as per 3.2 of EN 50306-1
Application	:	For power transmission, controlling & various low voltage signal transmission in various application in Rolling Stock (Locomotives, Metros, EMU, MEMU, Control Circuit)
Key Features	:	Halogen free, thin walled with good flexibility and durability, compact and light weight design, very good EMC compatibility for screened cable, high fire safety standards with low smoke and low toxicity, easy to install with enhanced flexibility and fire performance as per EN 45545-2 HL3

Railway Cables

Single Core & Multi Core Power & Control Cables for Railway Rolling Stock / Traction / Metro

Specification : EN 50264-1, EN 50264-3-1, EN 50264-3-2

Temperature Range : - 40° C to +120° C

Cable Type : EN 50264-1: General requirements

- EN 50264-3-1: Cables with cross linked elastomeric insulation with reduced dimension: Single Core cables
- Single Core unsheathed, unscreened cable, Sizes: 1.0 mm^2 to 400 mm^2 (0.6/1.0 KV)
- Single Core unsheathed, sheathed, unscreened cable, Sizes: 1.5 mm^2 to 400 mm^2 (1.8/3.0 KV)
- Single Core sheathed, unscreened cable, Sizes: 2.5 mm^2 to 400 mm^2 (3.6/6.0 KV)
- EN 50264-3-2: Cables with cross linked elastomeric insulation with reduced dimension: Multi Core cables
- Multi Core screened or unscreened cable, Sizes: 1.0 mm^2, 1.5 mm^2 & 2.5 mm^2, Cores: 2 to 40 (300 / 500 V)
- Multi Core screened or unscreened cable, Sizes: 1.5 mm^2 to 50 mm^2 Core: 2, 3 & 4 (0.6 / 1.0 KV)

Voltage Grade : EN 50264-3-1: 0.6 / 1.0 KV, 1.8 / 3.0 KV, 3.6 / 6.0 KV

EN 50264-3-2: 300 / 500 V, 0.6 / 1.0 KV

Conductor : Flexible annealed tinned copper conductor

Insulation : Type EI 106 to EI 110

EMC Screen : Annealed tinned copper screened

Sheath : Type EM 101 to EM 104 as per the requirement

Application : Suitable for power transmission, controlling in various application in Rolling Stock (Locomotives, Metros, EMU, MEMU)

Key Features : Halogen free, mineral oil resistant, high fire performance with low smoke and halogen-free emissions & fire performance as per EN 45545-2 HL3

IV Coupler for High-Speed Train & Metro Coaches

IV Coupler, specifically engineered for high-speed trains and metro coaches. This is designed to ensure reliable and efficient connections, enhancing the overall performance and safety of modern rail systems.

Specification : Compliance with international railway standards: EN 50155, IEC 61373, IEC 60529. Designed for high-speed rail and metro applications

Temperature Range : - 25° C to + 85° C

Cable Type : Various jumper cable Like A & G for digital data communication, F1, F2, F3 for control application & B1, B2, C & D couplers are basically power transmission form one coach to another coach

Application : Power control & digital signal transmission from one coach to another coach through flexible Inter-Vehicle (IV) Coupler

Key Features : Flame retardant, non-toxic, very good abrasion resistant, robust harnessing, complying to IP 68 and fire performance as per EN 45545-2 HL3

Fire Resistant Cables

Finds application where electrical integrity of the cable has to remain intact for at least three hours, so as to activate and maintain crucial functions such as fire fighting, public announcements, smoke extraction systems, sprinklers, emergency lighting, evacuation path lighting systems etc.

The areas for Fire Resistant cable applications include places where large number of people congregate for short or limited period of time such as shopping malls, cinema theaters, educational institutions, airport terminals, mass transit systems (metro rail networks), high rise office buildings etc. FR cables also find use in power generation facilities, petrochemical complexes, nuclear power facilities, mines etc. for phased shut down of the plant and to keep critical functions like communication, rescue and evacuation systems functional during a fire.

Construction	:	Single & Multi Cores / Pairs / Traids
Voltage Grade	:	600 / 1100 V AC
Conductor	:	- Solid or Stranded Annealed Bare or Tinned Copper Conductor / - Stranded Aluminium Conductor
Fire Barrier	:	Glass Mica Tape
Insulation	:	XLPE or EPR or Silicone Rubber
Screening	:	Individual and/or overall with following options - - Aluminum Mylar / Copper Tape with Tinned Copper Drain Wire - Braided with Bare or Tinned or Nickel Plated or Silver Plated Copper
Inner Sheath	:	LSOH / ZHFR / SHF1 / SHF2 or equivalent
Armouring	:	Galvanized Steel Wire Helical Armour / Steel Wire Braid
Outer Sheath	:	LSOH / ZHFR / SHF1 / SHF2 or equivalent
Standards	:	BS-7846, BS-7629, BS-8434 or equivalent with fire test confirming resistance to BS-6387 category CWZ 'or' IEC-60331-21

- Fire Resistance cable type tested at BRE Global (UK) for BS-6387 CWZ category

UKAS TESTING
0578

Certificates

DNV

CERTIFICATE OF CONFORMITY

This is to certify that the product(s)

Power, Control, Instrumentation & Thermocouple Cables

manufactured by,

THERMO CABLES LTD.

National Accreditation Board for Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

THERMO CABLES LIMITED, TESTING LABORATORY

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

in the field of

TESTING

Signed for and on behalf of NABL

S. Venkateswaran
Chief Executive Officer

IRIS Certification

C E R T I F I C A T E

awarded to

Thermo Cables Limited
Plot No.: G1, G2 A & B, G9 A & B, G10, Green Industrial Park, Jadcherla,
Mahaboobnagar District
509301, Hyderabad, Telangana
India

DQS GmbH

confirms, as an IRIS Certification approved certification body, that the Management System of the above organization has been assessed and found to be in accordance with the

IRIS Certification Conformity assessment:2020
and based on
ISO/TS 22163:2017

for the activity of Manufacturing
for the scopes of certification: 12 (Electrical wiring), 19 (Single railway components)
Wires and Cables, E-Beam Irradiation Crosslinked Wires and Cables, Customized Wiring Harness and Cable System for Railway and Rolling Stock.

Certificate valid from: 11/02/2024 Certificate valid until: 29/12/2026*

Current date: 15/02/2024
Certificate-Register-No: 50258146

* Providing that the subsequent surveillance audits are successful before the validity date of the previous audit.
Certification body address: August-Schanz-Straße 21, 60433 Frankfurt am Main, Germany

1/2

Lloyd's Register

Type Approval Certificate

Manufacturer: Thermo Cables Limited

EAC

UL

Infrastructure

Machinery

Name of the Machine	Name of the Machine
Rod Break Down Machine (9 Die)	HOIST 'E' - 19 B Laying - 2 Nos
Rod Break Down Machine (11 Die)	HOIST 'G' - 30 Armouring - 2 Nos
Rod Break Down Machine (13 Die)	HOIST 'G' - 30 B Armouring
Skip Stranding Machine - 2 Nos	HOIST 'F' - 37 Laying
Electroplating Tinning Machine - 2 Nos	HOIST 'F' - 37 B Laying - 2 Nos
Multi Wire Drawing Machine 30 mm	HOIST 'K' - 40 Armouring
Multi Wire Drawing Machine 8 Wire - 2 Nos	HOIST 'H' - 48 Armouring - 2 Nos
Fine Wire Drawing Machine - 4 Nos	HOIST 'H' - 48 B Armouring - 2 Nos
Mixing Machine 75 mm - 3 Nos	HOIST 'J' - 72 B Armouring
Kneader Line - 2 Nos	HOIST 'F' - 96 Armouring
75 L Kneader	HOIST 'K' - HV Area
Ring Marker	HOIST 'L' - Drum Twister Area
High Speed Core Rewinding - 4 Nos	HOIST 'O' - RBD Area
Taping Machine - 7 Nos	HOIST 'I' - Despatch - 2 Nos
Vertical Taping Machine - 6 Nos	Chain Hoist 'A' - G I Rewinding - 2 Nos
Horizontal Taping Machine - 12 Nos	Chain Hoist 'C' - Simon Taping - 4 Nos
Single Twist Bunching Machine	High Speed Bunching Machine - 10 Nos
400 Single Twist Bunching Machine	Chiller - 2 Nos
Tandem Extrusion Line (Ø50 + 65/35 mm	Chiller 5 TR
Tandem Extruder Line (Ø80+ Ø100/Ø35)	Chiller 10 TR - 2 Nos
Tandem Extruder Line (Ø35+ Ø50/Ø35)	Chiller 20 TR
Extruder Machine 20 mm Bi Color	PVC Mixer
Extruder Machine 45 mm	High Speed Mixer 60 kg
Extruder Machine 45 mm Bi Color	High Speed Mixer 120 kg
Extruder Machine 65 mm - 9 Nos	High Speed Mixer 200 kg
Extruder Machine 70 mm	16 A High Speed Braiding - 3 Nos
Extruder Machine 70/35 mm	16 F High Speed Braiding - 2 Nos
Extruder Machine 75 mm - 3 Nos	24 High Speed Braiding - 2 Nos
Extruder Machine 80 mm - 4 Nos	24 A High Speed Braiding - 5 Nos
Extruder Machine 100 mm	24 E High Speed Braiding - 4 Nos
Core Rewinding Machine - 7 Nos	24 F High Speed Braiding
Cooling Tower - 6 Nos	48 High Speed Braiding
GI Rewinding Machine - 20 Nos	3 HP Air Compressor
Ceramic Butt Welding Machine	10 HP Air Compressor - 3 Nos
Butt Welding Machine - 15 Nos	15 HP Air Compressor
Electron Beam Accelerator	20 HP Air Compressor - 2 Nos
Pairing Machine - 4 Nos	25 HP Air Compressor
Pairing Back Twist Machine	100 HP Air Compressor - 3 Nos
Laying Machine (7 Bobbins)	Brazing Machine - 4 Nos
Laying Machine (7 Bobbins) - Single Twist	H V Testing - 3 Nos
Laying Machine (13 Bobbins)	Drum Twister Machine
Laying Machine (19 Bobbins) - 4 Nos	630 Single Twister Machine 7 Bobbin
Laying Machine (37 Bobbins) - 3 Nos	800 Single Twister Machine 12 Bobbin
Laying (42 Bobbin)	1250 Single Twister Machine 19 Bobbin
Armouring Machine (30 Bobbin) - 2 Nos	DT 500 Buncher Machine
Armouring Machine (40 Bobbin)	Scissor Lift 2 ton
Armouring Machine (48 Bobbin) - 4 Nos	Steam Boiler
Armouring Machine (72 Bobbin)	PVC Grinder
Armouring Machine (96 Bobbin)	Hydraulic Press
Extruder Sheathing Machine 80 mm - 2 Nos	PT Stranding & Taping Machine
Extruder Sheathing Machine 100 mm	Silicone Rubber Mixing Machine
Cable Rewinding Machine - 5 Nos	65/150 Two Stage Extruder (Compounding Line)
GI Rewinding Strip Machine - 2 Nos	60 KVA UPS
Off Line Annealer	80 KVA UPS - 2 Nos
Nickel Plating - 2 Nos	100 KVA UPS
Pointing Machine - 2 Nos	120 KVA UPS
Fork Lift - 2 Nos	160 KVA UPS
Auto Clave	200 KVA UPS
HOIST 'A' - Skip	250 KVA UPS - 2 Nos
HOIST 'B' - 54 Stranding	320 KVA DG Set
HOIST 'P' - Stores	365 KVA DG Set
HOIST 'C' - 7 B Laying	600 KVA DG Set
HOIST 'E' - 13 Laying	Inkjet Printers - 36 Nos
HOIST 'E' - 19 Laying - 2 Nos	Laser Printers - 4 Nos

Testing Equipment

Name of the Machine - Range/LC
Fourier Transmission infrared Spectrometer (FTIR)
Profile Projector
Digital Thermometer With Sensor - 2 Nos
Hot Air Ageing Oven - 6 Nos - Up to 250° C & 300° C
Hot Set Oven
Ozone Resistance Test Equipment
Smoke Density Apparatus - 3 Nos
Oxygen & Temperature index Apparatus - 2 Nos
Flammability Tester - 3 Nos
Cold Chamber Bend Cold Impact Test Set - 2 Nos - 20° C to +25° C
Hot Set Test Apparatus - 3 Nos
Toxicity Index Test Equipment
Halogen Acid Gas Emission Test Apparatus
pH & Conductivity Test Equipment - 2 Nos - 0 to 14 pH
Abrasion Resistatnce Tester - 2 Nos
Electronic Tensile Tester - 3 Nos - 0 to 1000 N
Dielectric Breakdown Tester & Leakage Current Tester
High Frequency Spark Tester - 8 Nos - 0 to 15 KV AC
Main Frequency Spark Tester - 2 Nos - 0 to 15 KV AC
Digital Micro Ohm Meter 5 Nos - 1 mΩ to 19.999 kΩ (2 Nos.) & 1 mΩ to 1.9999 kΩ (1 No.)
H V Tester 4 Nos - 0-5 / 10 KV
Million Mega Ohm Meter 6 Nos - 1 MΩ to 100 GΩ, 1 MΩ to 50 TΩ & 2 MΩ to 20 GΩ
Digital L C R Q Meter
Thermal E M F Error Test Apparatus - 0 to 200 mV DC
Digital M V Source Cum Meter - 0 to 199.9° C
Digimatic Caliper - 0 to 300 mm
Acid Gas Generation Apparatus 2 Nos
Swedish Chimney Test Equipment
Water Immersion Test Equipment - Up to 100° C
4 Cell Ageing Oven with Data Scanning Logger 2 Nos - 16 Channels
Heating Oven - Up to 200° C
Thermal Stability Test Apparatus
Water Absorption Test Apparatus Gravimetric
Electronic Balance Weighing Machine 3 Nos - 0 to 180 gms & 10 gms to 3 kgs
Kelvin Bridge - 0 -11 Ω
Torsion Testing Machine (Digital Control Meter - Up to 99999 Count)
Fire Survival Test Equipment
Static Noise Rejection Ratio Meter - 60 to 100 dB
H V Break Down Tester - 0 to 2.5 KV DC
Transfer Impedance Tester
Steel Rule & Test Mandrel Set - 0 to 1 Metre
Condition Chamber 2 Nos - 20° C to 40° C (Temp.) & 40 to 80 RH
Insulation Resistance Tester - 0 to 1000 MΩ / 500 V
Hydro Meter 4 Nos - 0.700 - 1.000 g / ml
Digital Stop Watch 5 Nos - 0 - 24 hrs
Mutual Capacitance Meter - 1.999 nF - 1999.9 nF
Length Counter Meter - Up to 99999 mtr
Tear Resistance Die
Coating Thickness Measurement Meter
Digital Multimeter 4 Nos - MΩ
Inductance Decade Box - 10 mH - 10 H
Capacitance Decade Box - 10 pF - 10 μF
Wet & Dry Thermometer 2 Nos - 40° C to +50° C
Glass Thermometer 05 Nos - 10° C to + 110° C & - 10° C to 250° C
Thermometer 02 Nos - 195° C to 205° C
Digital Anemo Meter - 0 - 45 m/s
Digital Thermo Hygrometer 02 Nos - 0 to 95° C / 20 to 99% RH
Senior Double Kelvin Bridge
UV Radiation Test Apparatus
Notch Propagation Tester (Analog)
Water Bath (Size 120 cm X 90 cm X 60 cm)
H V Probe Milimeter
Abrasion Resistance Tester
Dynamic Cut Through Tester
Cable Analyzer
Universal Testing Machine
PC Based Crosstalk Attentuation & Impedance Meter Attenuation 0.1 to 20 dB, Cross talk (- 40 to 100 dB), Impedance 199.9Ω to 1.999kΩ
Network Analyzer (AESA)
Fluke - DSX - 8000
Toxicity Index Tester as per EN 45545 - 2
Step Load Tester
Bending & Torsion Tester
Vibration Tester

OUR CUSTOMERS

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