Nexans Heating Systems

N-HEAT® COLLECTION
Nexans invented the heating cable in 1926. We are proud to be part of the world's largest cable manufacturing group.

The Nexans heating cable is a Norwegian invention and product. We have been producing heating cables since 1926. Over the years we have continued developing our products to meet the changing demands of the marketplace.

Nexans - global expert in cables and cabling systems 電纜及電纜系統專家

Nexans is the worldwide leader in the cable industry, with industrial presence in more than 40 countries and commercial activities throughout the world. Nexans employs 26,000 people and had sales in 2013 of almost 7 billion Euros. Nexans' know-how and innovation skills are used for developing increasingly competitive cables for any industry: from energy networks and telecommunications to railway projects, for the oil and gas industry etc.

Solutions for all room types 地暖方案適用於不同類型的房間

Nexans underfloor heating is ideal in most types of rooms, for example: bathrooms, toilets, hallways, living rooms, kitchens and rooms where children play. Producing heat under the floor however will ensure radiant heat from the floor and a favourable heat distribution throughout the room.

地暖方案適用於不同類型的房間，例如：浴室、洗手間、門廳、客廳及小孩遊戲室。地暖系統運行時整個地面是溫暖的，熱力分佈亦會較平均。
**Comfort & Efficiency**

In underfloor heating system, heat radiating from the floor upwards is far more evenly distributed than heat that emanates from wall mounted radiators. For traditional heat radiators, the warmer air stays around head height which does not tend to create the most comfortable feeling.

**Heating cables from Nexans**

More and more people around the world are discovering the comfort of a warm floor. The pleasant warmth can be installed in almost every floor type and give comfort to private homes and office buildings. The warm floor system is invisible and does not occupy any wall space. The heat is evenly distributed in the room and gives a comfort that must be experienced. There are no parts gathering dust and you are free to use the room space at your desire. Through an electronic thermostat, the floor keeps the desired temperature at any time and the energy consumption is limited to a minimum. The heating cables of Nexans have always been regarded as high quality products with focus on user friendliness, reliability and safety.

地暖系統採暖方式適用於各種類型的地板結構，給私人住宅和辦公樓提供舒適的環境。地板採暖系統不佔用任何使用空間，熱量均勻地從地板表面釋放到室內，給人一種前所未有的舒適感。地板採暖沒有任何積灰的部分，房屋空間可以不受任何控制的隨意使用。在任何時候，可以用溫控器將地板表面控制在所需要的溫度，並且使能耗最低。耐克森發熱電纜具備靈活、可靠及安全等特點，被公認為高品質的地暖線專家。

Heating cables provide an environmentally friendly and comfortable indoor climate, and offer many advantages:

- **Video Introduction**

**Comfort & Efficiency**

In underfloor heating system, heat radiating from the floor upwards is far more evenly distributed than heat that emanates from wall mounted radiators. For traditional heat radiators, the warmer air stays around head height which does not tend to create the most comfortable feeling.

地暖系統運行時整個地面是溫暖的，溫度範圍分佈平應，頭涼而腳暖，符合人體工程學，具有較好的保健作用。由於其能夠做到每個房間的溫度可調，所以能夠避免能源的浪費，具備節能環保的優點。

**Air Dehumidifying**

Underfloor heating helps to keep moisture content levels low which can prevent the condensation of dew on timber floors and formation of mold in tiles. It can also reduce the house dust mites and this will benefit anyone with asthma or breathing difficulties or any other allergies.

地暖系統，相較於暖氣，更能均勻維持室內溫度和濕度，不會有腳底發冷、並沒有一般暖爐及空調等採暖設備所帶來的熱風、噪音、揚塵、乾燥、細菌傳播等缺點。
N-HEAT MILLIMAT
Thin Twin conductor heating cable mat

Applications:
TXLP/2R heating cable units are ideal for floor warming in concrete constructions. They are also suitable for use in snow melting installations, for frost protection of roof gutters and drains, and soil heating. Each unit has a unique factory made integrated or hidden splice which is marked =>SPLICE<= on the cable surface. There is no need for a return conductor. The installation is simplified as the end of the cable can be placed wherever it is most convenient. The sealed end is 100% waterproof (factory made seal). The cold lend is marked with *** on the cable surface.

Construction:
a) Solid resistance wire 雙範電阻線
b) Multistranded copper return wire 多銅絞線
c) XLPE insulation XLPE 絕緣體
d) Tinned copper earthing conductor 鍍銅鋼心接地導線
e) Aluminium screen 鋁箔屏蔽
f) PVC outer jacket PVC 外套
g) Overall diameter: approx. 外徑 約7.0 mm (0.28")

Technical data 技術參數:
- Series resistance, element values 元件電阻: from 200 to 3300 W
- Linear load 線性負荷: 17 W/m (5.2 W/ft)
- UV resistant 防紫外線: 600 W/m²
- Max. cont. operating temperature outer jacket 外套最高連續工作溫度: 65 °C (149 °F)
- Min. bending radius 最小彎曲半徑: 5 x cable diameter 電纜直徑
- Tolerance on conductor resistance 對導體電阻的 tolerance: -5 / +10 %
- Rated voltage 預定電壓: 230 V

N-HEAT MILLIMAT
Thin Twin conductor heating cable mat

Applications:
N-HEAT MILLIMAT is ideal for renovation of all types of rooms, including bathrooms. The mat consists of a twin conductor heating cable unit attached to a thin self-adhesive fibre-glass net. The outer diameter of the heating cable is approx. 4 mm. The heating cable unit is delivered with 2.5 m cold lead.

簡介:
N-HEAT MILLIMAT 超薄發熱電纜網線適用於所有房間包括浴室及洗手間等，由大約直徑4mm發熱電纜及玻璃纖維編組，安裝簡便，適合各種地面裝飾材料。冷線長度為2.5米。

Construction 竄構:
- Conductor: Twin resistance wires 雙範電阻線
- FEP Insulation FEP 絕緣體
- Solid copper earth wire 鍍銅鋼心接地線
- Fibre-glass net 玻璃纖維
- PVC outer jacket PVC 外套
- Aluminium sheath 鋁箔屏蔽
- Total thickness: 緊密度: 4.5 mm (0.18")
- Width 幅度: 50 cm (19.7")

Technical data 技術參數:
- Area load 面積負荷: 150 W/m² (14.0 W/sq.ft.)
- Loads from 150 W to 1800 W
- Max. continuously operating temperature outer jacket 外套最高連續工作溫度: 100 °C
- Rated voltage 預定電壓: 230 V

N-HEAT TXLP/2R Cable
Twin conductor heating cable units for direct heating

Applications:
TXLP/2R heating cable units are ideal for floor warming in concrete constructions. They are also suitable for use in snow melting installations, for frost protection of roof gutters and drains, and soil heating. Each unit has a unique factory made integrated or hidden splice which is marked =>SPLICE<= on the cable surface. There is no need for a return conductor. The installation is simplified as the end of the cable can be placed wherever it is most convenient. The sealed end is 100% waterproof (factory made seal). The cold lend is marked with *** on the cable surface.

Construction 竄構:
a) Solid resistance wire 雙範電阻線
b) Multistranded copper return wire 多銅絞線
c) XLPE insulation XLPE 絕緣體
d) Tinned copper earthing conductor 鍍銅鋼心接地導線
e) Aluminium screen 鋁箔屏蔽
f) PVC outer jacket PVC 外套
g) Overall diameter: approx. 外徑 約7.0 mm (0.28")

Technical data 技術參數:
- Series resistance, element values 元件電阻: from 200 to 3300 W
- Linear load 線性負荷: 17 W/m (5.2 W/ft)
- UV resistant 防紫外線: 600 W/m²
- Max. cont. operating temperature outer jacket 外套最高連續工作溫度: 65 °C (149 °F)
- Min. bending radius 最小彎曲半徑: 5 x cable diameter 電纜直徑
- Tolerance on conductor resistance 對導體電阻的 tolerance: -5 / +10 %
- Rated voltage 預定電壓: 230 V
Installation Procedure 安装程序
N-HEAT TXLP/2R Cable 雙導體發熱線

1. Get ready the 35mm single box and two 20mm conduits for the import of N-HEAT TXLP/2R Cable & floor sensor install on top of substrate.

2. Before installing N-HEAT TXLP/2R Cable, it is recommended to place the Insulation board for the sub floor.

3. Measure the free area where the floor heating is to be fitted to determine the length of N-HEAT TXLP/2R Cable is needed.

4. Install the chicken net and stabilize the position by Cable Clamps.

5. Measure the element resistance(Ω) of the cable.

6. Installation of heating cable on the chicken net and stabilize the position by Cable Clamps.

7. Cover with one layer of flexible tile adhesive/self levelling compound and allow to dry before tiling, or lay the tile adhesive and tiles in one operation. A flexible tile adhesive and grout should always be used.

Installation Cross-Sectional Views 安裝切面圖

Provide 25mm deep subfloor for the Insulation board and MILLIMAT/ TXLP/2R Cable installation.

Tiles 木地板/地磚

2mm

Concrete 混凝土

TXLP/2R Cable 發熱線

Tiles 木地板/地磚

Concrete 混凝土

MILLIMAT 發熱電纜線

Tile Adhesive 水泥

Insulation board 隔熱板

Video Introduction 影片介紹

![Video QR Code]
Insulation Board 隔熱板

Applications:
It is recommended to use the Insulation board which reflects the heat upwards into the floor tile instead of allowing heat to warm up the concrete slab below.

簡介:
隔熱板的鋪設是地暖系統重要的一環。安裝於發熱電纜或線網的下層，有效阻隔熱力散失以達地暖系統的最佳效果。

Technical data 技術參數:
- Dimensions 尺寸: 1200 x 600 x 10mm
- Coverage 覆蓋範圍: 0.72m²
- Temperature Range 溫度 (Deg C): -50, +75
- Subfloor requirement 要求地台光滑度: Self Levelling 自流平

 Thermostat 溫控器
CDFR02-003 / SA811

Applications:
CDFR02-003 and SA811 are learning thermostat. It finds out for itself at what time to turn on the heat to have the right temperature at the right time. CDFR02-003 and SA811 are the perfect choice for total heating and with the thermostats interconnected they can easily be programmed.

簡介:
CDFR02-003 及 SA811 溫控器，專用於電熱地暖系統的智能溫控器。您可以通過簡單的按鈕來設定您對不同時間段的各項溫度設置要求。
Mirror Demister 浴室鏡除霧貼
A clear advantage in your bathroom

Our simple to install mirror heaters enable you to shave or put on make-up without having to worry about the bathroom mirror steaming up.

Model 型號:
CL 909800 - 300 x 450mm / 50W
CL 967300 - 500 x 500mm / 60W
CL 967500 - 570 x 760mm / 85W

**Installation Procedure 安裝程序**

1. Lay the mirror face down on a protective surface. Make sure the back of the mirror is clean and free from grease. Mark the back of the mirror where the heater is to be positioned. The heater should be at least 50 mm from the edges of the mirror.

2. Peel back the protective release paper from one corner of the mirror heater. Position this corner in the required corner of the marked area and slowly peel back the release paper whilst applying gentle pressure to remove air bubbles.

3. The Calesco Mirror Heater must be connected to the lighting circuit or to the electrical circuit through a separate switch.

4. Junction Box for wiring either back or next of mirror depends on application.

**Benefits 安裝除霧貼好處**

- Low, even temperature makes the mirror safe to touch but still keeps it clear
- Very low running costs
- Your mirror will always remain steam-free whilst the heater is on
- Simple to install

**Projects 項目**

**Residential**
- No.12, Mount Kellett Road
- Bon-Point, Mid-Levels
- Grand Garden, Repulse Bay
- Dynasty Heights
- Island Resort

**Hotel**
- Marco Polo Hong Kong Hotel
- Island Shangri-la Hong Kong
- Hotel Icon
PROJECTS

High Rise Apartment / Villa

39 Conduit Road

Century Tower

37 Severn Road

Phase 3 Villa Bel-Air

Hotel

Island Shangri-la Hotel, Hong Kong

Louis XIII, Macau