

ÖLFLEX® THERMO

Referred to as BS EN 50288-7 and IS 1554-I



LAPP GROUP



Reliably connecting the world

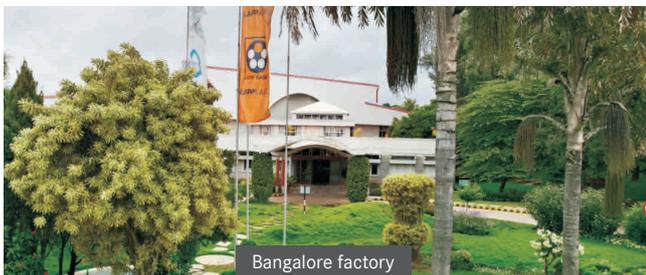
Headquartered in Stuttgart, Germany, the Lapp Group is a leading supplier of integrated solutions and branded products in the field of cable and connection technology. The Group's portfolio includes standard and highly flexible cables, industrial connectors, customized system solutions, automation technology and robotics solutions for the intelligent factory of the future, as well as technical accessories.

We want to help you become even more productive and successful. This is why we work tirelessly on optimising our processes. We do everything to make sure we always find the best solution for you and also provide you with quick, efficient and effective support.

No matter where you are – we are always by your side. Our plants, sales companies, partners and, above all, our competent teams of advisers ensure that we offer you a comprehensive service in every continent. We do not simply distribute cable technology, but we also manufacture our products ourselves – which represents another advantage for you. As a manufacturer with 18 of our own production facilities, you will benefit from our expertise in the development, design and manufacture of cables, system products and cable accessories. Thanks to this expertise, we can guarantee that Lapp will provide you with the quality that you require and demand for.

You can always rely on quality from Lapp – wherever you are in the world. This is also embodied by our strong brands.

LAPP INDIA



Reliably connecting India

Lapp India is a 100% subsidiary of the Lapp Group. Having started its operations in 1996, Lapp India provides about 150,000 km per year of power, control, instrumentation and data cables along with connectors, accessories and EndtoEnd Systems to over 5000 customers pan India. Our customers are spread across different industry segments such as automation, textile, automotive, machine tools, oil and gas, renewable energy, process industries, as well as in the infrastructure and building sectors.

- 23 Sales offices close to customers all over India & 5 service points
- 300 employees committed to best serve customers
- Strong network of 150 dealers
- 2 manufacturing units – Bangalore and Bhopal
- 5 Warehouses
- State of the art laboratory
- Fully fledged Innovation and Engineering Centre

BRAND QUALITY FROM STUTTGART



ÖLFLEX®
Power and control cables



UNITRONIC®
Data communication systems



ETHERLINE®
Data communication systems for ETHERNET-Technology



HITRONIC®
Optical transmission systems



EPIC®
Industrial connectors



SKINTOP®
Cable glands



SILVYN®
Protective cable conduit and cable carrier systems



FLEXIMARK®
Cable marking systems

IMPORTANCE OF THERMOCOUPLE CABLES

With the advancement in industrial production and growing automation, temperature measurement and control has become essential. Thermocouple cables are crucial for measuring, monitoring and controlling temperatures without human intervention. The application area for these cables are Food & Beverage, Oil & Gas, Power stations and Process industry like Steel, Cement, Pulp and Paper and metal processing.

In most cases, thermocouple are connected to other processing instruments by connecting cables. Connecting cables are of two types: extension cables and compensating cables. Extension cables are made of thermocouple material. They therefore are subject to the same accuracy limits as the thermocouples. These cables are marked with an "X" post the identification letter for the thermocouple. For example, "KX" indicates that the cable is an extension for the thermocouple type K (NiCr-Ni).

Compensation cables are made of materials which have the same thermoelectric properties as the thermocouple itself, but only in a limited temperature range. These cables are marked with a "C" post the identification letter for the thermocouple. For example, "KC" indicates that the cable is a compensating cable for the same thermocouple type K.

ÖLFLEX® THERMO

ÖLFLEX® THERMO are cables connected between thermocouples and processing instruments. They provide solution for "K" type thermocouple and are divided into extension cables(KX) and compensating cables(KC).



Features

- Referred to as BS EN 50288-7 and IS 1554-I.
- Available in different application variants like Unarmoured, Armoured, Steel Wire Braid and Oil resistance with UV and anti-rodent protection.
- 3864 different product designs are available under thermocouple type KX.



UV-resistant



Flame-retardant



Halogen-free



Suitable for outdoor use



Oil-resistant



Good chemical resistant

LAPP PROMISES



Peace of mind

High German Quality | In Compliance with Global Standards | Over 40000+ Products for various applications



Value for money

Low Maintenance | Long Service Life | Durable & Reliable



We are where you are

23 Sales Offices | 5 Warehouses & 5 Service Points in India | 150 Dealers across India |
First online cable store - www.thelappstore.com



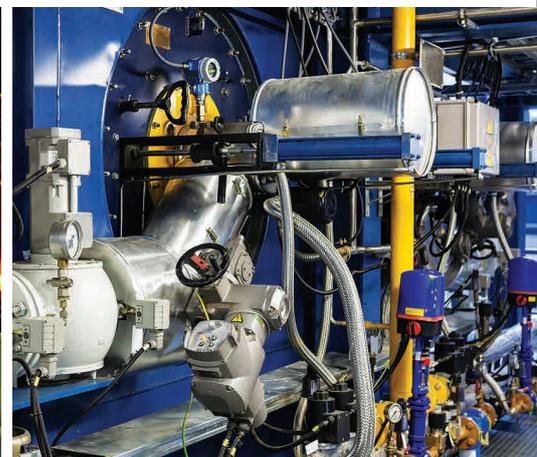
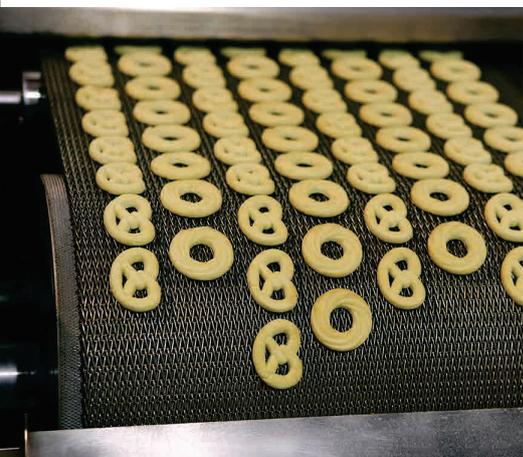
Technology leadership

2 Manufacturing Plants in Bangalore & Bhopal | State of the Art Laboratory | Fully Fledged Innovation & Engineering Centre |
Over 58 years of Manufacturing Excellence & Application Knowledge

ELECTRICAL PARAMETERS

Parameter	Values
Thermocouple Cable Type	KX
Voltage Grade	300V/500V/1100V
Core Identification	+ (ve) Chromel: Yellow & - (ve) Alumel: Red with Numerical Printing on both the cores
Insulation	PVC/XLPE
Screening	Screening: with aluminium foil 1) IS - Individual pairs are screened 2) ISOS - Individual pairs and overall screened
Inner Sheath	PVC STII/PVC FRLS STII/PVC TM 53/LSZH
Armour	Mechanical Protection: 1) SWA - GI wire Armour 2) SSA - GI strip Armour
Outer Sheath	PVC STII/PVC FRLS STII/PVC TM 53/ LSZH
Temperature Range	Available in 2 ranges for fixed installation -5°C to 85°C and -5°C to 90°C
Flame and Fire Properties	Flame Retardant (FR)/Flame Retardant Low Smoke(FRLS)/Low Smoke Zero Halogen(LSZH)
Reference Standard	Referred to BS EN 50288-7 and IS 1554-I

NOTE: For Datasheet/Catalogue call Customer Care No. 080-47405222 or call our nearest sales office.



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