

# RELIABLY CONNECTING INDIA

LAPP, a German brand is a leading supplier of integrated solutions and branded products in the field of cable and connection technology.

We offer a wide range of innovative products and solutions ranging from standard and highly flexible power, control and data cables to industrial connectors, cable entry systems and accessories to customised plug and play solution.

LAPP caters to various industry segments ranging from automation, textile, automotive, machine tools, oil and gas, renewable energy, process industries to infrastructure and building sectors. 'We Reliably Connect India and the World' with our technologically advanced, highly reliable, robust and superior quality products.

## ÖLFLEX® THERMO

### OUR BRANDS



**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 systems  
and cable carrier systems



**FLEXIMARK®**  
Marking systems



# ÖLFLEX® THERMO

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.

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



Oil-resistant



Good chemical resistant



Halogen-free



Suitable for outdoor use

## TECHNICAL SPECIFICATIONS

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