

# ÖLFLEX® INSTRUM

Refering Standard BS EN 50288-7



## LAPP GROUP



## Reliably connecting the world

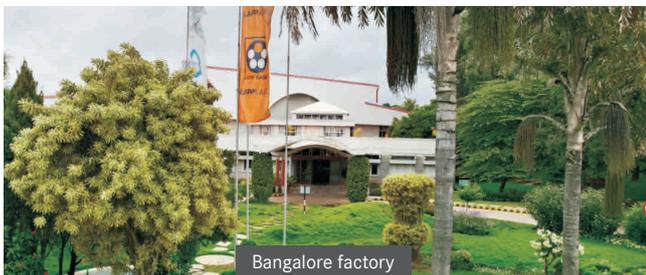
Headquartered in Stuttgart, Germany, the Lapp Group is a leading supplier of integrated solutions and branded products in the field of cable and connection technology. The Group's portfolio includes standard and highly flexible cables, industrial connectors, customized system solutions, automation technology 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 INSTRUMENTATION CABLES

Instrumentation cables are used to carry field data of temperature, pressure, flow, gas, vibration levels, etc. accurately from the equipment to the control room for processing and measurement. Instrumentation cables from Lapp, ÖLFLEX® INSTRUM offers various advantages in terms of quality and functionality.

In ÖLFLEX® INSTRUM cables, the signals can be efficiently transmitted through long distances without reducing their signal strength. This is achieved by its effective static shielding of pairs, thereby preventing the signals from interfering with signals of adjacent cables. These cables also have a reduced cross talk and noise levels as they make use of improved properties of insulation compounds like high dielectric strength, low capacitance and low inductance. Further, adequate lay lengths are maintained to reduce cross talk and signal attenuation.

The concentric conductor and uniform insulation thickness around the cables ensure uniform mutual capacitance all along their length. With the use of these cables, there is minimum electromagnetic interference (EMI) because of the Al-Mylar tape applied helically. Additionally, the drain wire drawn without joints provides increased electromagnetic compatibility design by effectively acting as a drain path for induced emf's.

## ÖLFLEX® INSTRUM

ÖLFLEX® INSTRUM cables are connected between measuring devices and sensors/transducers. They act as signal cables and used for measurement and analysis.



### Features

- Referring Standard BS EN 50288-7
- Flammability: According to IEC 60332-1 / 60332-3



UV-resistant



Flame-retardant



Halogen-free



Suitable for outdoor use



Oil & Gas



Interference signals

## 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](http://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
Governing Standard	BS EN 50288-7 / IS 7098 / 1554-1
No. of Pairs	Upto 24 pairs
No. of Traids	Upto 12 traids
Size in mm <sup>2</sup>	0.5 to 1.5 mm <sup>2</sup>
Conductor	ABC/ATC
Voltage Grade	500V and 1100V
Insulation	PVC, XLPE
Shielding	Aluminium Mylar tape with tinned copper drain wire (class 5)
Inner sheath	Extruded PVC / FRLS / LSZH
Braiding / Armouring	Steel Wire braiding*** for better flexibility. Minimum bending radius for fixed installations 6 x cable O.D / GI Wire Armoured / GI Strip Armoured / Steel Wire braided
Outer sheath	PVC / PVC FRLS / LSZH
Outer Jacket Color	Grey/Blue/Black

Options available on request \*Annealed Tinned Copper (ATC) \*\* Class 2 Stranding \*\*\* GI Strip/Round Wire Armouring

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



### Lapp India Private Limited

Plot No. 98 J&K, Jigani Industrial Area,

Phase-II Anekal Taluk, Bangalore South - 560 105

Website: [www.lappindia.com](http://www.lappindia.com) | Email: [info@lappindia.com](mailto:info@lappindia.com)

Customer Care No.: 080-47405222

Buy Online: [www.thelappstore.com](http://www.thelappstore.com)