

# 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® INSTRUM

### 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® INSTRUM

Signal cable used for measurement and analysis

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

OLFLEX® INSTRUM, the Instrumentation cables from LAPP offers various advantages in terms of quality and functionality. In OLFLEX® 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.



UV-resistant



Flame-retardant



Halogen-free



Oil & Gas



Interference signals



Suitable for outdoor use

## FEATURES

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

## TECHNICAL SPECIFICATIONS

Parameter	Values
Governing Standard	BS EN 50288-7 / IS 7098-1 / 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 FR/ PVC FRLSH/ LSZH
Outer Jacket Color	Grey/Blue/Black

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