

ELECTRICAL PARAMETERS

Parameter	Values																								
Type of Cable	LV Power & Control																								
Voltage Grade	AC : 1100 Volts DC : 1500 Volts																								
Conductor	Annealed Bare Copper Conductor Standard : IS 8130 / 1984																								
Conductor Flexibility	Stranded																								
Conductor Class & Shape	Class II Circular / Circular Compacted / Sector																								
Insulation	XLPE (IS 7098 -1-1998) PVC (IS 1554-1-1998)																								
Core Identification	1 Core : Black 2 Cores : Red & Black 3 Cores : Red, Yellow & Blue 4 Cores : Red, Yellow, Blue & Black 5 Cores : Red, Yellow, Blue, Black & Grey >5 Cores : Numerical Printing																								
Fillers (for circularity) & Separator	Synthetic Fillers and Binder Tapes Polyester Tape																								
Inner Sheath Method	Extruded PVC ST I, PVC ST II, FRLS PVC ST I, FRLS PVC ST II, LSZH																								
Armour & Direction of Lay	Galvanised Steel Wire / Galvanised Strip Left Hand																								
Outer Sheath	PVC ST I, PVC ST II, FRLS PVC ST I, FRLS PVC ST II, LSZH																								
No. of Cores	Power Cable Single Core Upto 1000 sq.mm 2, 3 & 3.5 Upto 400 sq.mm 4 Cores Upto 300 sq.mm Control Cable 2 to 61 Cores in 1.5 & 2.5 sq.mm																								
Temperature Range	<table border="1"> <thead> <tr> <th>Insulation</th> <th>Continuous Operating Temperature</th> <th>Short Circuit Operating Temperature</th> </tr> </thead> <tbody> <tr> <td>XLPE</td> <td>90°C</td> <td>250°C</td> </tr> <tr> <td>PVC Type A</td> <td>70°C</td> <td>160°C</td> </tr> <tr> <td>PVC Type C</td> <td>85°C</td> <td>160°C</td> </tr> </tbody> </table>	Insulation	Continuous Operating Temperature	Short Circuit Operating Temperature	XLPE	90°C	250°C	PVC Type A	70°C	160°C	PVC Type C	85°C	160°C												
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NOTE: For technical datasheet / catalogue please contact customer care service (9243350000) or our nearest sales office

 /lappindia

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 **LAPP GROUP**

ÖLFLEX® POWER LV Cables



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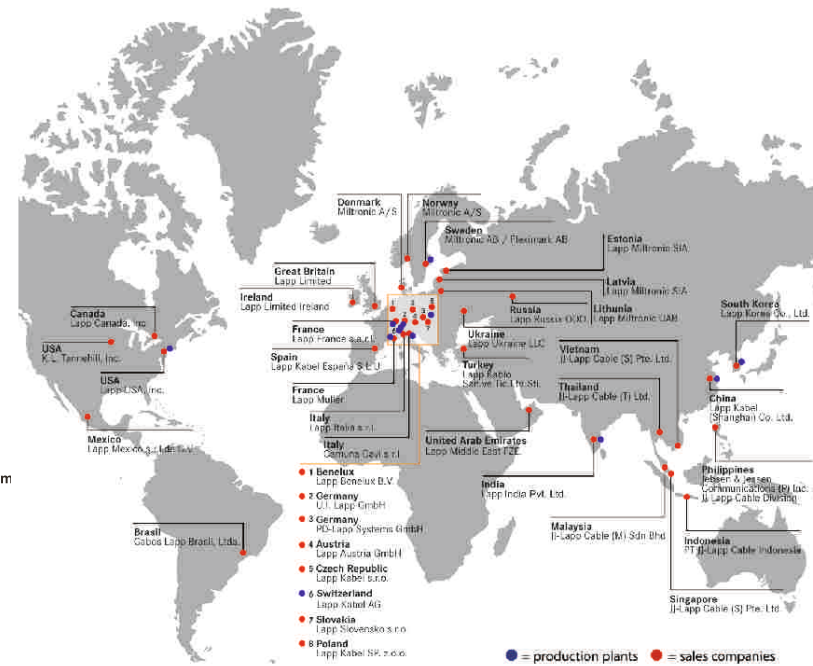
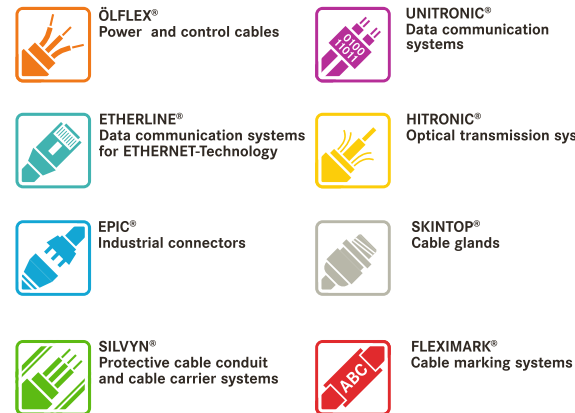
LAPP GROUP

RELIABLY CONNECTING THE WORLD

The LAPP GROUP is a German company that offers connectivity solutions to growing businesses like yours across the globe. LAPP GROUP was a result of a young entrepreneurial vision of Oskar Lapp, who invented the first industrially produced flexible and colour-coded signal cable. Today we produce cables and conductors for different industries and markets: mechanical and systems engineering, the automotive industry, MSR technology, electrical and installations engineering, EDC and more.

- 18 production sites
- Over 3,150 employees
- Over 100 outlets
- 40 sales organisations around the world
- Over 40,000 products

Brand quality from Stuttgart



LAPP INDIA

RELIABLY CONNECTING INDIA

LAPP INDIA, the 100% subsidiary of LAPP GROUP-Germany, specializes in quality production and distribution of a range of cables in India. We started our India operations in 1996. LAPP INDIA manufactures cables, connectors, cable glands, conduits and accessories.

- 2 top notch manufacturing units - Bangalore & Bhopal
- 120+ Strong dealer network
- 287+ employees
- 23 sales offices across the country
- 4 regional offices in major cities
- Extensive test facility
- 4 service points - Bangalore, Coimbatore, Dharuhera & Pune



Jigani, India



Testing Facilities



End-to-End System facility

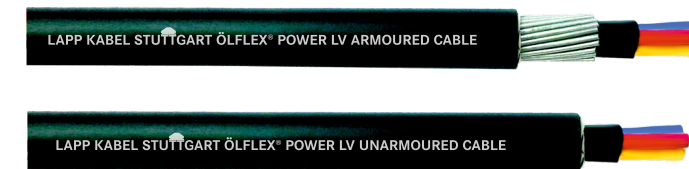
ÖLFLEX® POWER LV CABLES

POWER Cables are ideally required for transmission and distribution of Electric Power. These cables are designed to have high tensile strength and good resistance at high temperature. This will help the power cable in maintaining its electrical properties, in the event of any sudden temperature rise caused during short circuit. This is an important factor to be considered while transmitting Power to Utility load centers, measuring and control in tool machines, conveyor belts, production lines, process Industries and electrical substations.

ÖLFLEX® POWER LV Cables are suitable for use on AC single phase or three phase (earthed / unearthed) systems for rated Voltages up to and including 1100 Volts and on DC systems for rated Voltages up to and including 1500 Volts to earth. The cables conform to IS 7098: (Part1) - 1998 and IS 1554: (Part1) - 1998 tested in CPRI (Central Power Research Institute) - India.

PRODUCT INFO

ÖLFLEX® POWER LV Cables are suitable for use where combination of ambient temperature and temperature rise due to load results in conductor temperature not exceeding 90°C (IS-7098-1-1998) and General purpose 70°C & Heat Resisting 85°C (IS 1554-1-1998) under normal operation, 250°C (IS-7098-1-1998) and 160°C (IS 1554-1-1998) under short circuit conditions.



FEATURES

- Available in both armoured and un-armoured variants.
- Single, twin, three, four and multi core cross-linked polyethylene (XLPE) or Polyvinylchloride (PVC) insulated with PVC tapped / extruded inner sheath with Polyvinylchloride (PVC) Outer sheath.
- More than 10,000 different constructions which serve the purpose of Power and Control application as per end users need.