



Rising to meet your  
**quality and durability** needs

## LAPP KABEL UNIPLUS®

Single cores, 1100 voltage grade as per IS 694 for industrial applications.

Introducing LAPP KABEL UNIPLUS® single cores from LAPP KABEL, one of the leading suppliers of cables and accessories worldwide. Manufactured and tested to meet the most stringent quality and durability standards, LAPP KABEL UNIPLUS® delivers exceptional performance and unparalleled reliability, which has become synonymous with the brand LAPP.

LAPP KABEL UNIPLUS® single cores are for use as internal wiring intended for installation in pipes being on, in and under the plastering as well as in closed installation channels. These are suitable for fixed installation and may not be used for direct laying on racks, troughs and tubes.

 **LAPP INDIA**  
A Lapp Group Company

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## LAPP KABEL UNIPLUS®

Single cores, 1100 voltage grade as per IS 694 for industrial applications.

### Salient features:

- ✓ 99.995% purity copper
- ✓ Oxygen free (<10 PPM) copper conductor
- ✓ Better amperage ratings
- ✓ Higher conductivity
- ✓ Insulation of PVC type A, with additional LAPP special properties
- ✓ Flame retardant as per IS 10810-53/IEC 332.1

### Technical Data



**Rated voltage:**  
U<sub>0</sub>/U : 660/1100 V



**Temperature range:**  
Fixed installation:  
-30°C to 70°C



**Insulation:**  
PVC type A in acc. IS 5831:1994



**Approvals:**  
IS 694



**Test voltage:**  
3000 V r.m.s for 5 min. in acc. to IS 10810  
Online spark test voltage:  
2500V as per IEC 227/1



**Conductor stranding:**  
Bare copper, fine wire in acc. \*  
with IS 8130:1984/IEC 60228 Cl.5



**Current rating:**  
VDE 0298 Part 4

Please complete the part number with the following colour number:



Part number	Cross-section mm <sup>2</sup>	Outer diameter mm (Nominal)	Copper weight kg/km approx.	m/coil or Drum
4510.. 1U	0.5	2.2	4.8	100
4510.. 2U	0.75	2.4	7.2	100
4510.. 3U	1.0	2.5	9.6	100
4520.. 1U	1.5	3.0	14.4	100
4520.. 2U	2.5	3.7	24.0	100
4520.. 3U	4.0	4.4	38.0	100
4520.. 4U	6.0	4.9	58.0	100
4520.. 5U	10.0	6.3	96.0	500
4520.. 6U	16.0	7.3	153.6	500
4521.. 1U	25.0	9.7	240.0	500
4521.. 2U	35.0	10.7	336.0	500
4521.. 3U	50.0	13.4	480.0	500
4521.. 4U	70.0	15.2	672.0	500
4521.. 5U	95.0	17.9	912.0	500
4521.. 6U	120.0	19.7	1152.0	500
4521.. 7U	150.0	22.0	1440.0	500
4521.. 8U	185.0	24.6	1776.0	500
4521.. 9U	240.0	28.2	2304.0	500

### Variants:

Heat Resistant PVC (HR PVC)	Flame Retardant Low Smoke (FRLS)	Halogen Free Flame Retardant (HFFR)
LAPP KABEL UNIPLUS® single cores are available with HR PVC insulation with temperature withstandability of 85°C and 105°C. These are suited for applications in areas of high voltage fluctuations.	FRLS PVC grade single cores from LAPP KABEL UNIPLUS® range have very good Oxygen and Temperature index, low smoke and toxic gas generation properties. Ideal for use in places of high fire risks. These are available in 70°C and 85°C temperature grade.	LAPP KABEL UNIPLUS® single cores with HFFR insulation have excellent properties with respect to emission of non-toxic, non corrosive gases in the event of fire, besides the excellent temperature index, flame retardancy and oil resistance properties. Available in 70°C temperature grade, these render a great importance in applications where safety of human and animal life as well as valuable property is of utmost importance, when exposed to high risk of fire hazards.

Note: MOQ's may apply for certain colour - cross-section combinations.  
For more information and also other variants of LAPP KABEL UNIPLUS® kindly contact our regional/ area offices by following our weblink [http://www.lappindia.com/6/en/the\\_network/index.html](http://www.lappindia.com/6/en/the_network/index.html)

**LAPP INDIA**

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LAPP range of products: • Flexible Cables & Wires • Halogen-free Cables • Lift & Conveyor Cables • Flat Cables for Submersible Pumps • Robotic Cables • Temperature-resistant Cables • Cables & Leads for Fixed Installation • Data Cables • Cables for Bus Systems • Spiral Cables • Gimmix made Cables • Instrumentation Cables • Cable Glands • Protective conduit System • Automation & Storage System • Crimp Contact & Tools • Cable Accessories • Cable Marking • Cable Handling & Processing Systems • Industrial Connectors • Connector Accessories

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