

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:
U₀/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:



00 : Green/Yellow - RAL 6018/1021



01 : Black - RAL 9005



02 : Blue - RAL 5015



03 : Brown - RAL 8024



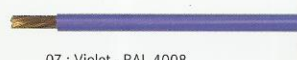
04 : Red - RAL 3000



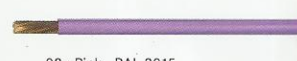
05 : White - RAL 9003



06 : Grey - RAL 7001



07 : Violet - RAL 4008



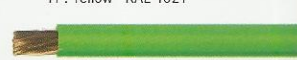
08 : Pink - RAL 3015



09 : Orange - RAL 2003



11 : Yellow - RAL 1021



12 : Green - RAL 6018



14 : Dark Blue - RAL 5010



16 : Ultramarine blue - RAL 5002

Part number	Crosssection mm ²	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

Other variants:

Heat Resistant PVC (HR PVC)

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.

Flame Retardant Low Smoke (FRLS)

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.

Halogen Free Flame Retardant (HFFRLS)

LAPP KABEL UNIPLUS® single cores with HFFRLS 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-crosssection 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



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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 • Custom-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