KANBERY®
Our Performance for Your Safety...

Click here for more information :
kanberycable.com | Elevator Flat Cable

# Elevator Flat Cable


Kanbery Cables : Elevator-KAN

## APPLICATION

For the connection of mobile parts of machine tools, conveyor plants and large-scale equipment, if the cable is exposed to bends in only one level (cabletrolley). In dry, damp and wet rooms as well as outdoors.

## CHARACTERISTICS

**Voltage Rating**
650 / 1100V AC

**Temperature Rating**
Fixed : - 15°c to 70°c

**Minimum Bending Radius**
Fixed: 5 x overall diameter
Moving: 10 x overall diameter

## CONSTRUCTION

**Conductor**
Class 5 | Class 6 Extra Finely Stranded Bare Copper

**Insulation**
FR / FRLS Thermoplastic PVC insulation compound as per IS 5831

**Sheath**
NBR PVC / Thermoplastic PVC Sheath as per IS 5831

**Core identification**
4 core: Green/Yellow Brown Black Grey
5 core: Green/Yellow Blue Brown Black Grey
7 core and above: Black / White With Numbers
Green/Yellow

**Sheath Colour**
Black

## STANDARDS - IS 694:2010, IS 8130:1984

VDE 0250 T.809

Flame Retardant according IS 694:2010
IEC 60332-1-2

Oil Resistant according to EN 60811-404

UV Resistant, Ozone Resistant

## THE CABLE LAB

AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.

ISO/IEC 17025 Accredited Teasting Laboratory

IECEE CBTL Accredited Testing Laboratory

## SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-team emissions reductions and a net- zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions,our comprehensive recycling services, and wider ESG activities for sustainable
operations at: www.kanberycable.com/company/about-us/esg-sustainability

SCIENCE BASED TARGETS

RoHS compliant

## REGULATORY COMPLIANCE

This cable is compliant with European regulation EN 50575 and Buro Of Indian Std, the Construction Products Regulation.

CPR COMPLIANT EN 50575

This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab as meeting the requirements of the BSI RoHS Trusted Kitemark™.

bsi RoHS Trusted KITEMARK™

RoHS CE UK CA

## DIMENSIONS

| NO. OF CORES | NOMINAL CROSS SECTIONAL AREA mm² | NOMINAL WIDTH OF CABLE mm | NOMINAL HEIGHT OF CABLE mm | NORMAL INSULATION THICKNESSES |
|---|---|---|---|---|
| 10 | 0.5 | 22.9 | 4.30 | 0.6 |
| 12 | 0.5 | 27.1 | 4.30 | 0.6 |
| 14 | 0.5 | 31.4 | 4.30 | 0.6 |
| 16 | 0.5 | 35.6 | 4.30 | 0.6 |
| 18 | 0.5 | 39.8 | 4.30 | 0.6 |
| 24 | 0.5 | 52.5 | 4.30 | 0.6 |
| 10 | 0.75 | 25.0 | 4.50 | 0.6 |
| 12 | 0.75 | 29.6 | 4.50 | 0.6 |
| 14 | 0.75 | 34.2 | 4.50 | 0.6 |
| 16 | 0.75 | 38.9 | 4.50 | 0.6 |
| 18 | 0.75 | 43.5 | 4.50 | 0.6 |
| 24 | 0.75 | 57.4 | 4.50 | 0.6 |
| 10 | 1.00 | 26.7 | 4.70 | 0.6 |
| 12 | 1.00 | 31.7 | 4.70 | 0.6 |
| 14 | 1.00 | 36.7 | 4.70 | 0.6 |
| 16 | 1.00 | 41.6 | 4.70 | 0.6 |
| 18 | 1.00 | 46.6 | 4.70 | 0.6 |
| 24 | 1.00 | 61.6 | 4.70 | 0.6 |
| 10 | 1.50 | 29.3 | 4.95 | 0.6 |
| 12 | 1.50 | 34.6 | 4.95 | 0.6 |
| 14 | 1.50 | 40.5 | 4.95 | 0.6 |
| 16 | 1.50 | 46.0 | 4.95 | 0.6 |
| 18 | 1.50 | 51.5 | 4.95 | 0.6 |
| 24 | 1.50 | 68.1 | 4.95 | 0.6 |
| 10 | 2.50 | 35.7 | 5.75 | 0.7 |
| 12 | 2.50 | 42.3 | 5.75 | 0.7 |
| 14 | 2.50 | 49.8 | 5.75 | 0.7 |
| 16 | 2.50 | 56.6 | 5.75 | 0.7 |
| 18 | 2.50 | 63.5 | 5.75 | 0.7 |
| 24 | 2.50 | 84.0 | 5.75 | 0.7 |

## ELECTRICAL CHARACTERISTICS

| NOMINAL CROSS SECTIONAL AREA mm² | CONDUCTOR RESISTANCE Ω/km | AMPACITY IN AIR AT 30°C A |
|---|---|---|
| 1.5 | 13.3 | 23 |
| 2.5 | 7.98 | 31 |
| 4 | 4.95 | 42 |
| 6 | 3.3 | 54 |
| 10 | 1.91 | 75 |
| 16 | 1.21 | 100 |
| 25 | 0.78 | 127 |
| 35 | 0.554 | 158 |
| 50 | 0.386 | 192 |
| 70 | 0.272 | 246 |
| 95 | 0.206 | 298 |
| 120 | 0.129 | 346 |