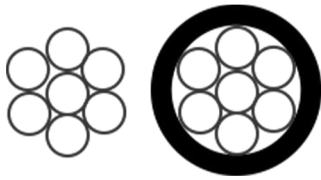


# LV TNB IEC 60502-1 Aerial Bundle Cable (ABC) 1kV

Overhead cable

CJDL Cable



## ➤ APPLICATION

Aerial Bundle Cable (ABC) low voltage cable for overhead power distribution offering higher level of safety and reliability and lower power losses than bare conductors.

## ➤ STANDARDS

TNB Specification (IEC 60502-1)

## ➤ CHARACTERISTICS

### Voltage Rating

0.6/1 kV

### Test Voltage

4 kV

### Operating Temperature

-40° C to +90° C

### Minimum Bending Radius

18 x overall diameter

## ➤ CABLE LABORATORY

We have state-of-the-art laboratory facilities and cutting-edge testing equipment, supported by a strict quality control protocol throughout the entire production process. Every production batch undergoes comprehensive technical tests prior to shipment. Only products that meet the most stringent quality standards are approved for distribution. This ensures our products deliver outstanding stability, reliability and durability, fully complying with customers' technical specifications and requirements.

## ➤ CONSTRUCTION

### Phase Conductor

Class 2 Circular compacted stranded Aluminium

### Neutral Conductor

Class 2 Circular compacted stranded Aluminium

### Insulation

XLPE (Cross-linked polyethylene) UV Resistant

### Core Identification

Phases by longitudinal ribs (I, II, III)

Neutral core by longitudinal ribs ( ≤ 50 mm<sup>2</sup> min.12 ribs; ≥ 50 mm<sup>2</sup> min.16 ribs)

## ➤ DEDICATION TO SUSTAINABILITY

At CJDL Cable, we are fully committed to ecological transition and environmental protection. We actively push forward decarbonization goals, steadily moving toward a zero-emission business model.

To this end, we keep pursuing technological innovation to improve energy efficiency and cut pollutant emissions. Meanwhile, we optimize manufacturing processes to reduce environmental impact, securing sound, responsible and sustainable long-term growth for the company.

## DIMENSIONS

| NUMBER<br>CORES | NOMINAL<br>CROSS SECTIONAL<br>AREA<br>mm <sup>2</sup> | NOMINAL<br>OVERALL<br>DIAMETER<br>mm | NOMINAL<br>WEIGHT<br>KG/KM | MINIMUM<br>BREAKING<br>LOAD<br>KN | MAXIMUM<br>CONDUCTOR<br>RESISTANCE<br>Ω/Km | CURRENT<br>RATING<br>A |
|-----------------|-------------------------------------------------------|--------------------------------------|----------------------------|-----------------------------------|--------------------------------------------|------------------------|
| 3+1             | 16/25                                                 | 19.0                                 | 290                        | 4.0                               | 1.200                                      | 107                    |
| 3+1             | 25/25                                                 | 23.2                                 | 400                        | 5.5                               | 0.868                                      | 132                    |
| 3+1             | 35/25                                                 | 25.6                                 | 500                        | 8.0                               | 0.641                                      | 165                    |
| 3+1             | 50/35                                                 | 30.0                                 | 680                        | 10.7                              | 0.443                                      | 205                    |
| 3+1             | 70/50                                                 | 34.9                                 | 920                        | 13.7                              | 0.320                                      | 240                    |
| 3+1             | 95/70                                                 | 40.6                                 | 1270                       | 18.6                              | 0.253                                      | 290                    |
| 3+1             | 120/95                                                | 44.1                                 | 1510                       | 23.2                              | 0.206                                      | 334                    |
| 3+1             | 150/120                                               | 49.2                                 | 1870                       | 28.7                              | 0.164                                      | 389                    |
| 3+1             | 185/120                                               | 54.9                                 | 2340                       | 37.2                              | 0.125                                      | 467                    |
| 3+2             | 25/25/16                                              | 23.2                                 | 470                        | 2.5                               | 1.910                                      | 72                     |
| 3+2             | 35/25/16                                              | 25.6                                 | 560                        | 4.0                               | 1.200                                      | 107                    |
| 3+2             | 50/35/16                                              | 30.0                                 | 740                        | 5.5                               | 0.868                                      | 132                    |
| 3+2             | 70/50/16                                              | 34.9                                 | 980                        | 8.0                               | 0.641                                      | 165                    |
| 3+2             | 95/70/16                                              | 40.6                                 | 1330                       | 10.7                              | 0.443                                      | 205                    |
| 3+2             | 120/70/16                                             | 44.1                                 | 1580                       | 13.7                              | 0.320                                      | 240                    |
| 3+2             | 150/95/16                                             | 49.2                                 | 1940                       | 23.2                              | 0.206                                      | 334                    |
| 3+2             | 185/120/16                                            | 54.9                                 | 2410                       | 2.5                               | 1.910                                      | 72                     |