
## Application

The HD 626 S1 standard aerial bundled cable ABC presents a revolutionary approach to overhead power distribution compared to traditional bare conductor systems. This innovative solution offers enhanced safety, reliability, and efficiency, resulting in reduced power losses and overall system economy. Designed to operate at 0.6/1kV, these LV aerial bundled cables serve various purposes, including temporary service at construction sites, service drops from power poles to service entrances, secondary cable connections between poles, and street lighting. With reinforced installation, they provide reliable power distribution in diverse environments.

## Advantage

Innovative Design: The HD 626 S1 standard introduces an innovative concept for aerial bundled cables, enhancing safety, reliability, and system efficiency compared to traditional bare conductor systems.
Cost Efficiency: By reducing installation, maintenance, and operational costs, these cables offer ultimate system economy, making them a cost-effective solution for overhead power distribution.
Versatility: Suitable for a wide range of applications, including temporary and permanent installations, service drops, and street lighting, providing versatile solutions for diverse electrical distribution needs.
Longevity: With superior materials and construction, these cables offer long-term performance, ensuring reliable power distribution over their operational lifespan.

## Performance

Electrical performance: 0.6/1kV
Chemical performance: chemical, UV&oil resistance
Mechanical performance: Minimum bending radius:18 x cable diameter
Terminal performance :
Maximum service temperature: 90℃
Maximum short-circuit temperature: 250℃(Max.5s)
Minimum service temperature: -40℃.

## Construction

Phase Conductor:
Stranded, rounded, compressed aluminum conductor (RM), optimized for efficient power transmission.
Neutral/Messenger Conductor:
Aluminum conductor AAC or all-aluminum alloy conductor AAAC, ensuring mechanical strength and electrical reliability.
Insulation:
Black UV-resistant Crosslinked Polyethylene (UV-XLPE), providing excellent electrical insulation and protection against environmental factors.

## Specification

-HD 626 S1 Standard low voltage aerial bundled cable

## Eastful Cable Lab

We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.
CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

## Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rhineland and CCS.

## National Green Factory

Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China.
We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

## Technical Parameters

| No. of Cores | Nominal Cross Section Area | Nominal Overall Dia. | Nominal Weight | Min. Breaking Load | Max. Conductor Resistance | Current Rating |
|---|---|---|---|---|---|---|
| - | mm² | mm | kg/km | kN | Ω/km | A |
| 2 | 16 | 72 | 147 | 1.910 | 1.910 | 2.5 |
| 2 | 25 | 107 | 208 | 1.200 | 1.200 | 4.0 |
| 2 | 35 | 132 | 277 | 0.868 | 0.868 | 5.5 |
| 2 | 50 | 165 | 361 | 0.641 | 0.641 | 8.0 |
| 4 | 16 | 72 | 286 | 1.910 | 1.910 | 2.5 |
| 4 | 25 | 107 | 430 | 1.200 | 1.200 | 4.0 |
| 4 | 35 | 132 | 553 | 0.868 | 0.868 | 5.5 |
| 4 | 50 | 165 | 746 | 0.641 | 0.641 | 8.0 |
| 4 | 70 | 205 | 1009 | 0.443 | 0.443 | 10.7 |
| 4 | 95 | 240 | 1332 | 0.320 | 0.320 | 13.7 |
| 4 | 120 | 290 | 1632 | 0.253 | 0.253 | 18.6 |
| 4+1 | 35/35 | 132/132 | 694 | 0.868/0.868 | 0.868/0.868 | 5.5/5.5 |
| 4+1 | 50/25 | 165/107 | 814 | 0.641/1.200 | 0.641/1,200 | 8.0/4.0 |
| 4+1 | 50/35 | 165/132 | 845 | 0.641/0.868 | 0.641/0.868 | 8.5/5.5 |
| 4+1 | 70/25 | 205/107 | 1105 | 0.443/1.200 | 0.443/1.200 | 10.7/4.0 |
| 4+2 | 70/25/25 | 205/107 | 1217 | 0.443/1.200 | 0.443/1.200 | 10.7/4.0 |
| 4+2 | 70/35 | 205/132 | 1150 | 0.443/0.868 | 0.443/0.868 | 10.7/5.5 |
| 4+2 | 70/35/35 | 205/132 | 1289 | 0.443/0.868 | 0.443/0.868 | 10.7/5.5 |
| 4+1 | 95/25 | 240/107 | 1438 | 0.320/1.200 | 0.320/1.200 | 13.7/4.0 |
| 4+1 | 95/35 | 240/132 | 1467 | 0.320/0.868 | 0.320/0.868 | 13.7/5.5 |
| 4+2 | 95/25/25 | 240/107 | 1544 | 0.320/1.200 | 0.320/1.200 | 13.7/4.0 |