

ABC-LV BS7870 Aerial Bundle Cable 1kV



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

BS 7870

CHARACTERISTICS

Voltage Rating U₀/U
0.6/1kV

Test Voltage
4kV

Operating Temperature
-40°C to +90°C

Minimum Bending Radius
18 x overall diameter

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 ($\leq 50 \text{ mm}^2$ min.12 ribs; $\geq 50 \text{ mm}^2$ min.16 ribs)

THE CABLE TEST

We have world-class testing facility, and made rigorous testing regime, every meter of cable before leaving the factory must go through strict testing, testing qualified products will be shipped to customers, effectively ensure product quality and meet customer requirements.

SUSTAINABILITY COMMITMENT

Henan CJDL Cable actively implements the "carbon reduction" goal, strives to promote the green's low-carbon transformation, strengthens energy-saving and emission reduction technology innovation, and promotes the company's healthy and sustain-able development.

DIMENSIONS

NUMBER CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT KG/KM	MINIMUM BREAKING LOAD KN	MAXIMUM CONDUCTOR RESISTANCE Ω/Km	CURRENT RATING A
1	16	8.0	74	2.5	1.910	72
1	25	9.0	106	4.0	1.200	107
1	35	10.5	138	5.5	0.868	132
1	50	11.8	182	8.0	0.641	165
1	70	13.0	252	10.7	0.443	205
1	95	15.4	333	13.7	0.320	240
1	120	17.0	408	18.6	0.253	290
1	150	19.0	502	23.2	0.206	334
1	185	21.0	611	28.7	0.164	389
1	240	24.0	801	37.2	0.125	467
2	16	15.6	147	2.5	1.910	72
2	25	18.0	208	4.0	1.200	107
2	35	20.0	277	5.5	0.868	132
2	50	23.5	361	8.0	0.641	165
2	70	25.4	505	10.7	0.443	205
2	95	30.3	666	13.7	0.320	240
2	150	38.0	1004	23.2	0.206	334
4	16	18.8	286	2.5	1.910	72
4	25	21.2	430	4.0	1.200	107
4	35	24.1	553	5.5	0.868	132
4	50	27.8	746	8.0	0.641	165
4	70	31.8	1009	10.7	0.443	205
4	95	37.8	1332	13.7	0.320	240
4	120	54.4	1632	18.6	0.253	290
4+1	50+25	319	814	8.0/4.0	0.641/1.200	165/107
4+1	50+35	319	845	8.5/5.5	0.641/0.868	165/132
4+1	70+25	360	1105	10.7/4.0	0.443/1.200	205/107
4+2	70+25+25	400	1217	10.7/4.0	0.443/1.200	205/107
4+1	95+25	418	1438	13.7/4.0	0.320/1.200	240/107
4+2	95+25+25	420	1544	13.7/4.0	0.320/1.200	240/107
4+1	120+25	590	2050	18.6/4.0	0.253/1.200	290/107

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.