Application

NTP 370.254 LV CAAI Self-Supporting Cable refers to a type of low-voltage aerial bundled cable designed for overhead power distribution networks. It is suitable for overhead power distribution in urban and rural areas and can be installed on poles or attached to walls using appropriate accessories. These cables do not require the use of insulators, making them cost-effective and easier to install.

Performance

Voltage Rating: 0.6/1kV.
Temperature Performance:
Maximum service temperature: 90°C.
Maximum short-circuit temperature: 250°C (for up to 5 seconds).
Minimum service temperature: -10°C.
Emergency operation temperature: 130°C.
Mechanical Performance: Minimum bending radius is 10 times the overall diameter of the phase conductor.
Chemical Resistance: Resistant to chemicals, UV, and oil.

Construction

-Phase conductor is with aluminum alloy supporting conductor
-Supporting conductor can be bare ND or insulated NA
1.Phase conductor
Hard drawn aluminum conductor (class 2)
2.Lighting Conductor
Hard drawn aluminum conductor (class 2)
3.Neutral/Messenger conductor
All Aluminum Alloy Conductor AAAC 6201
4.Insulation
Black Cross-linked polyethylene(XLPE)

Specification

-NTP 370.254
-ICEA S-76-474 Standard

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

Completed Cable					
No. of Cores × Nominal Cross Section Area	Approx. Overall Dia.	Approx. Weight	No. of Cores × Nominal Cross Section Area	Approx. Overall Dia.	Approx. Weight
mm^2	mm	kg/km	mm^2	mm	kg/km
1×16	7.08	63.4	1×16+16+ND25	14.83	196.2
1×25	8.28	91.8	1×16+16+NA25	16.47	222.7
1×35	9.28	120.6	2×16+16+ND25	16.73	259.6
1×50	11.04	168.6	2×25+16+ND25	18.18	316.4
1×70	13.04	235.5	2×16+16+NA25	18.12	286
1×95	14.64	321.8	2×25+16+NA25	19.56	342.8
1×120	17.06	413.9	2×35+16+NA25	20.77	400.5
1×150	18.46	490.7	3×16+NA25	16.68	284.9
2×16	14.16	126.7	3×25+NA25	20.22	370.1
2×25	16.56	183.5	3×16+16+ND25	18.79	322.9
2×35	18.56	241.1	3×16+16+NA25	20.02	349.4
3×16	15.25	190.1	3×25+16+NA25	21.97	434.6
3×25	17.83	275.3	3×25+2×16+NA25	23.93	499.1
3×35	19.98	361.7	2×35+ND25	17.92	309.5
3×50	23.78	505.7	2×35+NA25	19.55	336
3×70	28.08	706.5	3×35+NA25	22.04	456.5
4×16	17.09	253.4	3×35+16+ND25	22.36	494.6
4×25	19.98	367.1	3×35+16+NA25	23.59	521
1×16+ND25	13.47	131.8	3×35+2×16+NA25	25.44	585.5
1×16+NA25	15.75	158.2	3×50+NA35	25.93	631.9
1×25+NA25	16.95	186.6	3×50+16+NA25	26.38	663.8
2×16+ND25	14.75	195.1	3×50+16+NA35	27.07	696.4
2×16+NA25	16.39	221.5	3×50+25+NA35	27.77	724.7
2×25+ND25	16.47	251.9	3×70+NA35	29.55	832.8
2×25+16	16.97	246.9	3×70+16+NA50	31.53	957.5
2×35+16	18.48	305.7	3×70+25+NA50	32.24	985.8
3×25+16	19.32	339.8	3×95+16+NA50	34.13	1188.3
3×35+16	21.13	426.2	3×95+NA50	33.81	1124.9
3×120+16	36.75	1306.3	3×95+16+NA70	35.02	1252.1
2×25+NA25	18.12	278.4	3×120+16+NA70	38.94	1555.5