



● Application

These NA2XSA2Y-S medium voltage (MV) aerial bundled cables find application in medium voltage power distribution lines, transformer feeders, power plants, industrial and operational installations, particularly in areas where underground networks are impractical. They're also suitable for mining installations and urban areas with tree-lined or space-constrained environments.

● Advantage

- Excellent properties against heat aging.
- Resistance to abrasion, moisture and sunlight.
- Good resistance to traction.
- The outer sheath has the following characteristics: low emission dense smoke and halogen free, flame retardant.

● Performance

Electrical performance: Ranges include 6/10kV, 8.7/15kV, 12/20kV, and 18/30kV.

Chemical performance: Exhibits resistance to chemicals, UV, and oil.

Mechanical performance: Minimum bending radius is 10 times the cable diameter.

Terminal performance:

Maximum service temperature: 90°C

Maximum short-circuit temperature: 250°C (for a maximum of 5 seconds)

Minimum service temperature: -40°C

● Construction

Phase conductor: Compact stranded aluminum conductor 1350, class 2.

Conductor screen: Semi-conducting compound.

Insulation: Crosslinked polyethylene TR-XLPE (Tree retardant XLPE).

Insulation screen: Semi-conducting compound.

Screen: Aluminum tape.

Outer sheath: Linear low-density polyethylene LLDPE-UV.

Neutral messenger: Galvanized stranded steel wire.

Insulation: Linear low-density polyethylene LLDPE-UV.

● Specification

-IEC 60228, IEC 60502-2, IEC 61089

● 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 Rheinland 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

6.6kV ABC Cable Specification							
Cross Section Area	O.D.of Conductor	O.D.of Insulation	O.D.of Screen	O.D.of Sheath	O.D.of Messenger	O.D. of Cable	Approx. Weight
mm ²	mm	mm	No.	mm	mm	mm	kg/km
3x1x25	5.8	14	16.1	19.7	7.92	42.2	1441
3x1x35	6.9	15.1	17.2	20.8	7.92	44.2	1592
3x1x50	8.1	16.3	18.4	22	7.92	46.4	1783
3x1x70	9.8	18	20.1	23.7	7.92	49.5	2070
3x1x95	11.5	19.7	21.8	25.6	7.92	52.9	2408
3x1x120	12.8	21	23.1	26.9	11.04	57.2	3011
3x1x150	14.3	22.5	24.6	28.6	11.04	60.3	3355
3x1x185	16	24.2	26.3	30.3	11.04	63.4	3750

8.7/15kV NA2XSA2Y-S MV ABC Cable Specification							
Cross Section Area	O.D.of Conductor	O.D.of Insulation	O.D.of Screen	O.D.of Sheath	O.D.of Messenger	O.D. of Cable	Approx. Weight
mm ²	mm	mm	No.	mm	mm	mm	kg/km
3x1x25	5.8	16.2	18.3	21.9	7.92	46.2	1657
3x1x35	6.9	17.3	19.4	23	7.92	48.2	1818
3x1x50	8.1	18.5	20.6	24.2	7.92	50.4	2021
3x1x70	9.8	20.2	22.3	25.9	7.92	53.5	2324
3x1x95	11.5	21.9	24	27.8	11.04	58.8	2979
3x1x120	12.8	23.2	25.3	29.1	11.04	61.2	3296
3x1x150	14.3	24.7	26.8	30.6	11.04	63.9	3630
3x1x185	16	26.4	28.5	32.5	11.04	67.4	4068

12/20kV NA2XSA2Y-S MV ABC Cable Specification							
Cross Section Area	O.D.of Conductor	O.D.of Insulation	O.D.of Screen	O.D.of Sheath	O.D.of Messenger	O.D. of Cable	Approx. Weight
mm ²	mm	mm	No.	mm	mm	mm	kg/km
3x1x50	8.1	20.5	22.6	26.6	9	55.4	2394
3x1x70	9.8	22.2	24.3	28.5	9	58.9	2740
3x1x95	11.5	23.9	26	30.2	9	62	3091
3x1x120	12.8	25.2	27.3	31.7	9	64.7	3449
3x1x150	14.3	26.7	28.8	33.2	9	67.4	3800

● Technical Parameters

18/30kV NA2XSA2Y-S MV ABC Cable Specification							
Cross Section Area	O.D.of Conductor	O.D.of Insulation	O.D.of Screen	O.D.of Sheath	O.D.of Messenger	O.D. of Cable	Approx. Weight
mm ²	mm	mm	No.	mm	mm	mm	kg/km
3x1x50	8.1	25.5	27.6	31.6	7.92	63.8	2974
3x1x70	9.8	27.2	29.3	33.3	7.92	66.9	3332
3x1x95	11.5	28.9	31	35.2	11.04	72.3	4048
3x1x120	12.8	30.2	32.3	36.5	11.04	74.6	4407
3x1x150	14.3	31.7	33.8	38.2	14.88	80	5320

Note:
The diameter of conductor,insulation,screen and sheath, the overall diameter and weight of complete cable are only approximate.Limited tolerances are acceptable.

- 1. Conductor: Compact stranded aluminium 1350, class 2.
- 2. Inner semi-conductor: Extruded.
- 3. Insulation: Cross linked polyethylene XLPE-TR (Tree retardant).
- 4. External semi-conductor: Extruded strippable.

These last three components extruded CV (continuous vulcanization) triple extrusion.

- 5. Individual screen: Aluminium tapes.
- 6. Individual outer sheath: Linear low density polyethylene .
- 7. Messenger: Galvanized stranded steel wire cable with LLDPE-UV sheath.