

Cable Autoportante NA2XSA2Y-S Application

The Medium Voltage ABC Bundle Cable is used for medium voltage power distribution line, also for transformer feeders, power plants, industrial and operation installations, in places where underground networks cannot be possible, mining installation, tree-lined urban zones or with little space.

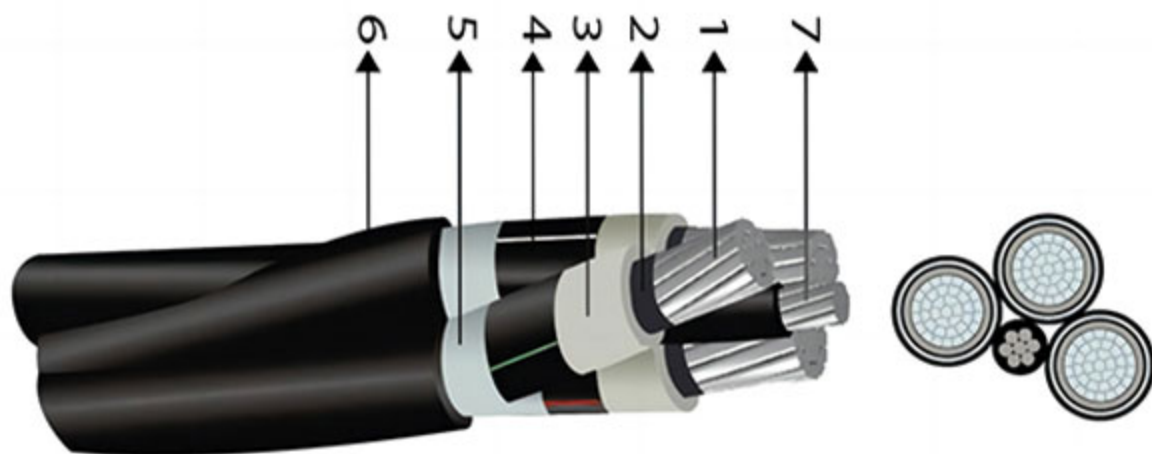
Cable Autoportante NA2XSA2Y-S Advantage

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

Cable Autoportante NA2XSA2Y-S Performance

1. Electrical performance: 6/10kV, 8.7/15kV, 12/20kV, 18/30kV
2. Chemical performance: chemical, UV&oil resistance
3. Mechanical performance: Minimum bending radius: 10x cable diameter
4. Terminal performance: Maximum service temperature: 90°C; Maximum short-circuit temperature: 250°C (Max. 5s); Minimum service temperature: -40°C

Cable Autoportante NA2XSA2Y-S Construction



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.

Cable Autoportante NA2XSA2Y-S Specifications

-NTP-IEC 60228, NTP-IEC 60502-1, ICEA S-93-639 Standard

6/10kV 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	14.0	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	22.0	7.92	46.4	1783

3x1x70	9.8	18.0	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	21.0	23.1	26.9	11.04	57.2	3011
3x1x150	14.3	22.5	24.6	28.6	11.04	60.3	3355
3x1x185	16.0	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	23.0	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	24.0	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	16.0	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	9.00	55.4	2394
3x1x70	9.8	22.2	24.3	28.5	9.00	58.9	2740
3x1x95	11.5	23.9	26.0	30.2	9.00	62.0	3091
3x1x120	12.8	25.2	27.3	31.7	9.00	64.7	3449
3x1x150	14.3	26.7	28.8	33.2	9.00	67.4	3800

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	31.0	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	80.0	5320