

NA2XSEYBY 3 x (35-300) mm² 12/20 kV

AI / XLPE / CWS / PVC / STA / PVC

(Aluminium Conductor, XLPE Insulated, Copper Wire Screen, PVC Innersheath Galvanized Steel Tape Armor, PVC Sheathed)

Standard Specification : SPLN 43-5-4 : 1995

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
35 / 16	64.0	4,943
50 / 16	67.0	5,361
70 / 16	71.5	6,083
95 / 16	75.5	6,759
120 / 16	79.0	7,411
150 / 25	84.0	9,179
185 / 25	88.5	10,067
240 / 25	94.0	11,329
300 / 25	99.0	12,612

Application :

For installation indoor, in ground direct burried, for power station and switchgear, if there is a risk that low mechanical damage may occur.

Special Features on Request

- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Heat Resistance
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen

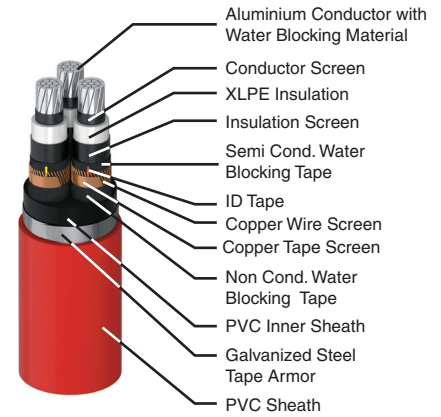
Note :

Conductor Shaped

35 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

35 - 300 sqmm will be supplied in wooden drum on available length
Length Tolerance per drum ± 2%



Electrical Data

Nom. Cross Sect. (mm ²)	Conductor		Inductance (mH/km)	Current-Carrying Capacity at 30°C *		Short circuit current at 1 sec	
	DC Resistance at 20°C Max. (Ω/km)	AC Resistance at 90°C Max. (Ω/km)		in air Max. (A)	in ground Max. (A)	Conductor Max. (kA)	Screen ** (kA)
35 / 16	0.868	1.113	0.424	150	135	3.29	1.60
50 / 16	0.641	0.822	0.406	178	159	4.70	1.60
70 / 16	0.443	0.568	0.381	220	194	6.58	1.60
95 / 16	0.320	0.411	0.363	265	231	8.93	1.60
120 / 16	0.253	0.325	0.350	303	262	11.28	1.60
150 / 25	0.206	0.265	0.341	340	290	14.10	2.50
185 / 25	0.164	0.211	0.328	387	327	17.39	2.50
240 / 25	0.125	0.161	0.316	448	374	22.56	2.50
300 / 25	0.100	0.130	0.307	505	417	28.20	2.50

* Further information about rating factor for certain cable arrangement can be found on supplementary technical information

** With short circuit screen condition at 90°C operating temperature and 160°C final short circuit temperature