

NA2XS-Y 1 x (35-630) mm² 12/20 kV

AI / XLPE / CWS / PVC

(Aluminium Conductor, XLPE Insulated, Copper Wire Screen, PVC Sheathed)

Standard Specification : SPLN 43-5-3 : 1995

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
mm ²	approx. mm	approx. kg/km
35 / 16	30.0	897
50 / 16	31.0	968
70 / 16	33.0	1,086
95 / 16	34.5	1,214
120 / 16	36.0	1,329
150 / 25	37.5	1,530
185 / 25	39.5	1,688
240 / 25	41.5	1,913
300 / 25	43.5	2,143
400 / 35	47.5	2,580
500 / 35	50.0	2,964
630 / 35	55.0	3,556

Application :

For power stations and switchgear as well as stations because of small bending radius in confined spaces indoors. As underground because of light weight where installation conditions are difficult.

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
- Nylon Coated

Note :

Conductor Shape :

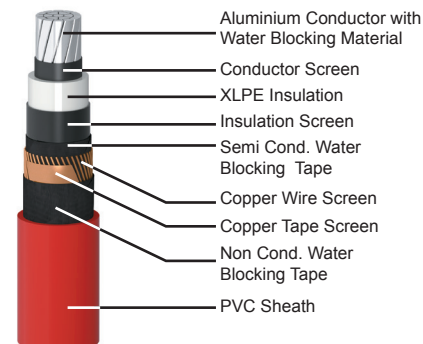
35 - 630 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

35 - 400 sqmm supplied in wooden drum @ 1000 m

500 - 630 sqmm will be supplied in wooden drum on available length

Length Tolerance per drum $\pm$ 2%



Electrical Data

Conductor			Inductance		Current-Carrying Capacity at 30°C *				Short circuit current at 1 sec	
Nom. Cross Sect.	DC Resistance at 20°C	AC Resistance at 90°C	Trefoil formation 	Flat formation 						
					in air Max.	in ground Max.	in air Max.	in ground Max.		
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)	(A)	(A)	(A)	(A)	(kA)	(kA)
35 / 16	0.868	1.113	0.475	0.522	160	140	163	145	3.29	1.60
50 / 16	0.641	0.822	0.456	0.502	190	165	195	170	4.70	1.60
70 / 16	0.443	0.568	0.427	0.473	238	203	243	209	6.58	1.60
95 / 16	0.320	0.411	0.407	0.453	288	243	295	250	8.93	1.60
120 / 16	0.253	0.325	0.392	0.439	332	276	340	284	11.28	1.60
150 / 25	0.206	0.265	0.382	0.428	376	309	384	317	14.10	2.50
185 / 25	0.164	0.211	0.368	0.414	432	350	442	359	17.39	2.50
240 / 25	0.125	0.161	0.354	0.400	508	405	519	416	22.56	2.50
300 / 25	0.100	0.129	0.342	0.389	581	457	593	468	28.20	2.50
400 / 35	0.0778	0.101	0.328	0.374	679	522	691	532	37.60	3.49
500 / 35	0.0605	0.080	0.318	0.364	784	593	796	602	47.00	3.49
630 / 35	0.0469	0.063	0.305	0.351	917	676	928	684	59.22	3.49

* 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