

NA2XSEYFGbY 3 x (35-300) mm² 12/20 kV

AI / XLPE / CWS / PVC / SFWA / PVC

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

Standard Specification : SPLN 43-5-4 : 1995

Construction Data

Nom. Cross Section Area	Overall Diameter approx.	Cable Weight approx.
mm ²	mm	kg/km
35 / 16	64.0	4,901
50 / 16	67.0	5,322
70 / 16	71.5	6,010
95 / 16	75.5	7,128
120 / 16	79.5	7,790
150 / 25	83.5	8,808
185 / 25	87.5	9,657
240 / 25	93.0	10,911
300 / 25	98.0	12,120

Application :

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

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 $\pm 2\%$



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.	AC Resistance at 90°C Max.		in air Max.	in ground Max.	Conductor Max.	Screen **
	(Ω /km)	(Ω /km)		(A)	(A)	(kA)	(kA)
35 / 16	0.868	1.113	0.424	150	135	3.29	1.60
50 / 16	0.641	0.822	0.406	177	158	4.70	1.60
70 / 16	0.443	0.568	0.381	219	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	261	11.28	1.60
150 / 25	0.206	0.265	0.341	338	289	14.10	2.50
185 / 25	0.164	0.211	0.328	385	326	17.39	2.50
240 / 25	0.125	0.161	0.316	447	374	22.56	2.50
300 / 25	0.100	0.130	0.307	504	418	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