

NFA2XSY (3 x 35/16 mm² - 3 x 300/25 mm²) 12/20 kV

AI / XLPE / CWS / PVC

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

Standard Specification : SPLN 43-5-1 : 1995

Construction Data

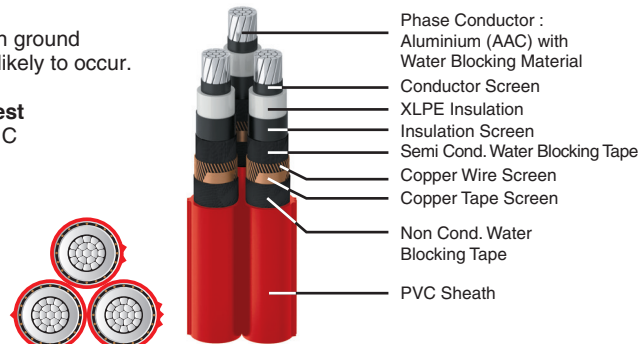
Conductor	Approximate	
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
3 x 35/16	65.6	2757
3 x 50/16	68.0	2985
3 x 70/16	71.9	3338
3 x 95/16	75.4	3735
3 x 120/16	78.6	4083
3 x 150/25	83.6	4899
3 x 185/25	88.5	5468
3 x 240/25	92.9	6139
3 x 300/25	99.7	7193

Application :

For installation outdoors, on ground if no mechanical damage is likely to occur.

Special Features on Request

- Flame Retardant Cat A, B, C
- UV Resistance
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen



Note :

Conductor Shaped

35 - 300 sqmm supplied in compacted circular stranded conductor shape

Standard Packing

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

Electrical Data

Conductor			Current-Carrying Capacity at 30°C *		Short circuit current at 1 sec of	
Nom. Cross Sect. (mm ²)	DC Resistance at 20°C (Ω/km)	AC Resistance at 90°C (Ω/km)	in air (A)	in ground (A)	Conductor (kA)	Screen (kA)
3 x 35/16	0.868	1.113	164	144	3.29	1.60
3 x 50/16	0.641	0.822	196	170	4.70	1.60
3 x 70/16	0.443	0.568	245	208	6.58	1.60
3 x 95/16	0.320	0.411	297	249	8.93	1.60
3 x 120/16	0.253	0.325	343	283	11.28	1.60
3 x 150/25	0.206	0.265	387	317	14.10	2.50
3 x 185/25	0.164	0.211	448	360	17.39	2.50
3 x 240/25	0.125	0.161	527	418	22.56	2.50
3 x 300/25	0.100	0.129	612	474	28.20	2.50

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