

// Application

These are cables with low dielectric losses used in energy networks with sudden load changes. Laid in residential or industrial areas, underground or in ducts. If the cable gets water inside due to mechanical damage, the swellable tapes prevent the movement of the water inside the cable.

// Construction

1. Stranded aluminum conductor.
2. Inner semi-conductive layer.
3. XLPE insulation.
4. Outer semi-conductive layer.
5. Semi-conductive swellable tape.
6. Copper wire screen.
7. Swellable tape.
8. PE coated aluminum tape.
9. PE outer jacket.

// Cable Summary

Max. operating temperature	: 90°C
Max. short circuit temperature	: 250 °C
Rated voltage	: 18/30 kV or 19/33 kV
Min. bending radius	: 15 x D

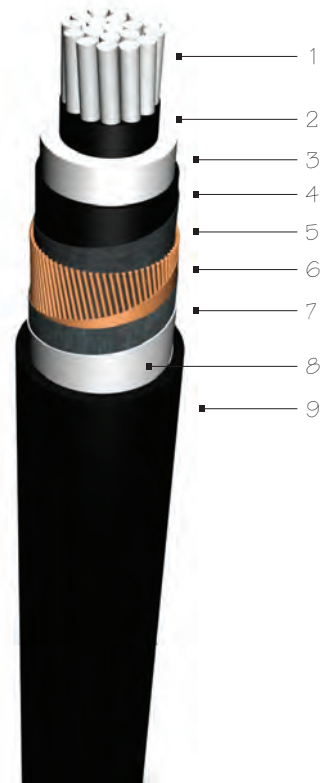
D = Cable outer diameter

// Standards

IEC 60502 | BS 7870 | VDE 0276

// Code

NA2XS(FL)2Y | AL/XLPE/LW/CWS/LW/PE



Electrical Properties									Dimensions & Weights			
DC Conductor Resistance @ 20 °C	DC Conductor Resistance @ 90 °C	Operation Inductance (approx.)		Operation Capacitance (approx.)	Current Carrying Capacity				Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
		mH/km ₀₀₀	mH/km ₀₀		µF/km	in Ground @ 20 °C ₀₀₀	in Duct @ 20 °C ₀₀	in Air ₀₀₀ @ 30 °C				
ohm/km	mH/km	mH/km ₀₀₀	mH/km ₀₀	µF/km					mm ²	mm	kg/km	m
1.2000	1.5360	0.714	0.495	0.113	-	-	-	-	1x025/16	35.0	950	1000
0.8680	1.1110	0.688	0.474	0.123	-	-	-	-	1x035/16	36.5	950	1000
0.6410	0.8205	0.662	0.453	0.135	196	175	217	187	1x050/16	37.5	1100	1000
0.4430	0.5670	0.631	0.429	0.151	238	214	270	232	1x070/16	39.5	1250	1000
0.3200	0.4096	0.607	0.410	0.166	284	256	328	281	1x095/16	41.0	1350	1000
0.2530	0.3238	0.588	0.397	0.180	322	290	378	323	1x120/16	43.0	1500	1000
0.2060	0.2637	0.570	0.383	0.194	355	324	425	365	1x150/25	44.5	1750	1000
0.1640	0.2099	0.554	0.372	0.208	400	366	485	418	1x185/25	46.5	1900	1000
0.1250	0.1600	0.534	0.359	0.229	461	426	572	494	1x240/25	49.5	2150	1000
0.1000	0.1280	0.517	0.347	0.248	516	479	649	564	1x300/25	51.5	2450	1000
0.0788	0.1009	0.495	0.334	0.276	572	545	737	654	1x400/35	55.0	2950	1000
0.0605	0.0774	0.479	0.324	0.301	638	614	835	747	1x500/35	58.0	3350	1000
0.0469	0.0600	0.463	0.314	0.330	728	690	950	851	1x630/35	62.0	3850	1000



Laying / Installation method:

Linear | ○○○
Triangular | ○○○

