

// 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	: 3.6/6 kV
Min. bending radius	: 15 x D

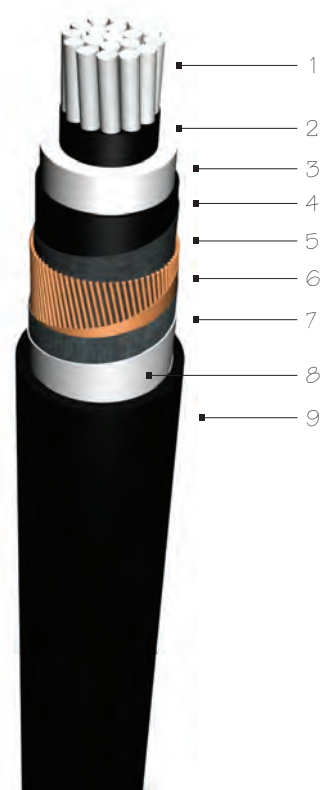
D = Cable outer diameter

// 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	in Ground @ 20 °C ₀₀₀	in Duct @ 20 °C ₀₀	in Air ₀₀₀ @ 30 °C	in Air ₀₀ @ 30 °C	mm ²	mm	kg/km	m
1.2000	1.5360	0.692	0.419	0.253	-	-	-	-	1x025/16	24.0	560	1000
0.8680	1.1110	0.665	0.399	0.283	-	-	-	-	1x035/16	25.0	550	1000
0.6410	0.8205	0.640	0.381	0.318	186	178	233	188	1x050/16	26.0	650	1000
0.4430	0.5670	0.609	0.361	0.368	234	217	280	235	1x070/16	27.5	700	1000
0.3200	0.4096	0.585	0.345	0.414	287	259	344	286	1x095/16	29.5	850	1000
0.2530	0.3238	0.566	0.333	0.455	338	298	392	329	1x120/16	31.0	950	1000
0.2060	0.2637	0.549	0.323	0.499	388	333	441	376	1x150/25	32.5	1100	1000
0.1640	0.2099	0.533	0.315	0.544	449	377	510	428	1x185/25	34.5	1250	1000
0.1250	0.1600	0.513	0.306	0.587	530	438	587	508	1x240/25	37.5	1500	1000
0.1000	0.1280	0.498	0.300	0.603	605	495	682	586	1x300/25	40.0	1750	1000
0.0788	0.1009	0.478	0.292	0.642	678	562	781	676	1x400/35	44.0	2200	1000
0.0605	0.0774	0.463	0.286	0.667	762	633	883	772	1x500/35	47.5	2600	1000
0.0469	0.0600	0.447	0.278	0.739	858	712	1007	882	1x630/35	51.5	3050	1000



Laying / Installation method:

Linear | ○○○
Triangular | ○○○

