

// 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, swellable tapes prevent the movement of the water inside the cable.

// Construction

1. Stranded copper 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. Aluminum tape.
9. PE outer jacket

// Cable Summary

Max. operating temperature	: 90°C
Max. short circuit temperature	: 250 °C
Rated voltage	: 64/110 kV
Min. bending radius	: 20 x D

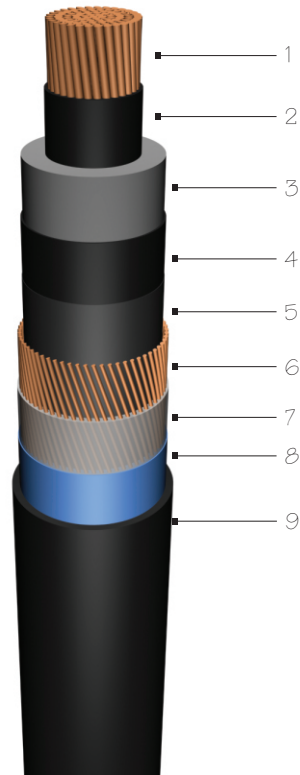
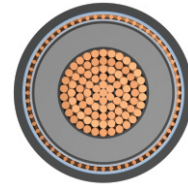
D = Cable outer diameter

// Standards

IEC 60840 | VDE 0276-632

// Code

2XS(FL)2Y, CU/XLPE/LW/CWS/LW/PE



Electrical Properties

DC Conductor Resistance @ 20 °C	Operation Capacitance (approx.)	Current Carrying Capacity			
		in Ground @ 20 °C ^{○○○}	in Duct @ 20 °C ^{○○}	in Air @ 30 °C ^{○○○}	in Air @ 30 °C ^{○○}
m	ohm/km				
0.0754	0.18	528	495	682	605
0.0601	0.19	597	599	783	692
0.0470	0.21	681	650	909	800
0.0366	0.22	775	739	1503	922
0.0283	0.24	884	841	1226	1065
0.0221	0.26	994	945	1406	1208
0.0176	0.29	1169	1106	1695	1465
0.0151	0.31	1264	1231	1849	1595
0.0113	0.34	1456	1415	2185	1860
0.0090	0.41	1618	1570	2487	2089

Dimensions & Weights

Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)
mm ²	mm	kg/km
1 x 240	68.0	5400
1 x 300	71.0	6100
1 x 400	74.0	7100
1 x 500	78.0	8400
1 x 630	82.0	9900
1 x 800	86.0	11600
1 x 1000	92.0	14000
1 x 1200	97.0	16000
1 x 1600	104.0	20000
1 x 2000	115.0	24000

