

// 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	: 89/154 kV
Min. bending radius	: 20 x D

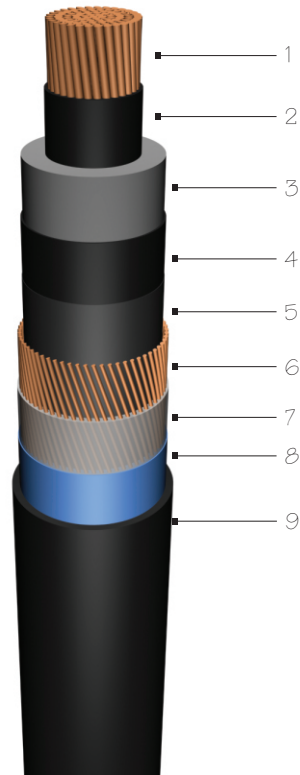
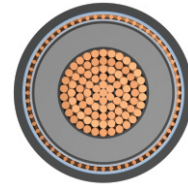
D = Cable outer diameter

// 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				
-	-	-	-	-	-
0.0601	0.22	591	553	765	684
0.0470	0.24	673	629	887	789
0.0366	0.26	766	713	1027	907
0.0283	0.29	871	829	1193	1043
0.0221	0.31	977	928	1367	1181
0.0176	0.34	1143	1081	1639	1415
0.0151	0.37	1232	1208	1790	1535
0.0113	0.41	1404	1382	2100	1765
0.0090	0.45	1554	1523	2384	1973

Dimensions & Weights

Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)
mm ²	mm	kg/km
-	-	-
1 x 300	85.0	8500
1 x 400	89.0	9600
1 x 500	93.0	10800
1 x 630	96.0	12400
1 x 800	102.0	14200
1 x 1000	106.0	16500
1 x 1200	110.0	18500
1 x 1600	118.0	22500
1 x 2000	126.0	26500



Laying / Installation method:

Linear | ○○○
Triangular | ○○

