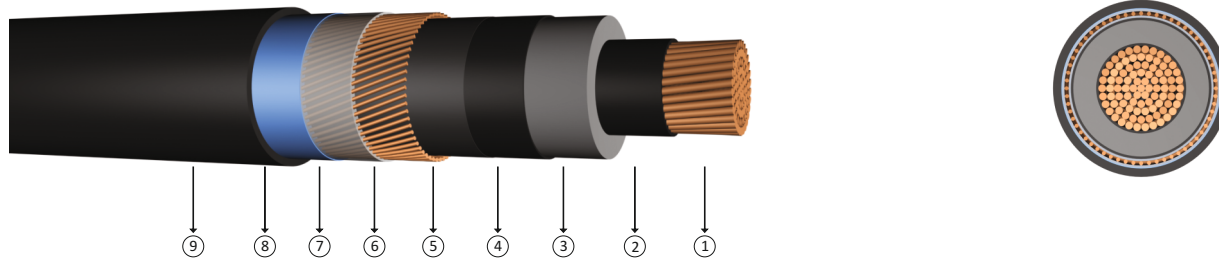


# 89/154 kV XLPE insulated, radial and longitudinally sealed, single core cables with copper conductor



**Code:** N2XS(FL)2Y, CU/XLPE/LW/CWS/LW/PE

**Standards:** VDE 0276 - 632, IEC 60840

### Technical Data

Max. operating temperature : 90 °C  
 Max. short circuit temperature : 250 °C (max. 5 sec.)  
 Rated voltage : 89/154 kV  
 Min. bending radius : 20x D  
 D : Cable outer diameter

### 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 the mechanical damages, swellable tapes prevent the movement of the water inside the cable.

### Construction

- 1 Stranded aluminium conductor
- 2 Inner semi conductive layer
- 3 XLPE insulation
- 4 Outer semi conductive layer
- 5 Semi conductive swelling tape
- 6 Copper screen
- 7 Semi conductor swelling tape
- 8 PE coated aluminium foil
- 9 PE outer jacket

DIMENSION AND WEIGHTS			ELECTRICAL PROPERTIES					
Nominal Cross Section	Overall Diameter (approx)	Net Weight (approx)	Operation Capaticance (approx)	DC Conductor Resistance at 20 °C Max	Current Carrying Capacity (A)			
mm <sup>2</sup>	mm	kg/km	µF/km	ohm/km	In ground at 20 °C	In duct 20 °C	In air at 30 °C	
							***	**
1x300/25	85,0	7100	0,15	0,0601	591	553	765	684
1x400/35	89,0	8200	0,16	0,0470	673	629	887	789
1x500/35	93,0	9700	0,18	0,0366	766	713	1027	907
1x630/35	96,0	11400	0,19	0,0283	871	829	1193	1043
1x800/35	102,0	13600	0,20	0,0221	977	928	1367	1181
1x1000/50	106,0	16000	0,21	0,0176	1143	1081	1639	1415
1x1200/50	110,0	18500	0,22	0,0151	1232	1208	1790	1535
1x1600/70	120,0	22500	0,23	0,0113	1404	1382	2100	1765
1x2000/95	126,0	26500	0,27	0,0090	1554	1523	2384	1973