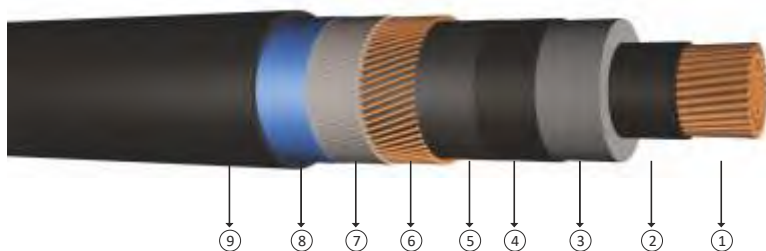


76/132kV XLPE insulated, radial and longitudinally sealed, single core cables with copper conductor



Code: N2XS(FL)2Y

Standards: VDE 0276-632, IEC 60840

Technical Data

Max. operating temperature : 90°C
 Max. short circuit temperature : 250°C (max. 5 sec.)
 Rated voltage : 76/132kV
 Min. bending radius : 20 x 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. Swellable tape prevents cable damage by stopping water or moisture if water ingress to 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 sheath

DIMENSION AND WEIGHTS			ELECTRICAL PROPERTIES					
Nominal Cross Section	Overall Diameter (approx)	Net Weight (approx)	Operation Capacitance (approx)	DC Conductor Resistance at 20°C (Max)	Current Carrying Capacity (A)			
mm ²	mm	kg/km	µF/km	Ω/km	In ground at 20°C	In duct 20°C	In air at 30°C	
							***	**
1x240/25	76,0	7100	0,15	0,0754	525	492	673	601
1x300/25	79,0	7800	0,16	0,0601	593	555	774	688
1x400/35	82,0	8900	0,17	0,0470	675	632	896	792
1x500/35	85,0	10000	0,19	0,0366	767	716	1033	908
1x630/35	89,0	11500	0,21	0,0283	872	811	1200	1045
1x800/35	93,0	13500	0,24	0,0221	979	932	1374	1182
1x1000/50	100,0	15500	0,23	0,0176	1145	1087	1649	1420
1x1200/50	105,0	17500	0,23	0,0151	1233	1212	1801	1539
1x1600/70	112,0	21500	0,25	0,0113	1414	1388	2125	1784
1x2000/95	120,0	25800	0,31	0,0090	1569	1532	2418	2003

Note : Current carrying capacities are valid under the following conditions;
 In ground : 20°C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0,7
 In air : 30°C, load factor 1,0
 *** : Flat formation, gap between cables; in air = 1 x Cable outer diameter, in ground = 7 cm
 ** : Trefoil formation
 Number of system : 1