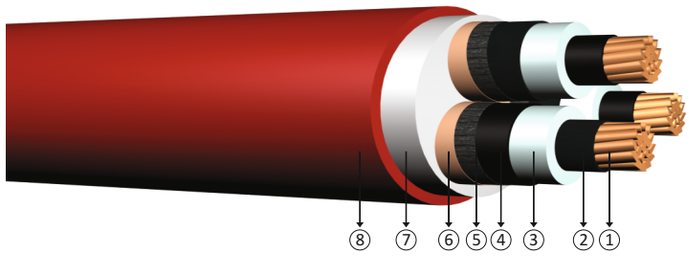
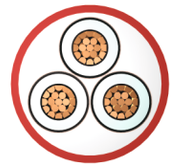
20.3/35 kV or 20.8/36 kV XLPE insulated, three core cables with copper conductor





Code: YXC8V-R, N2XSEY, CU/XLPE/CTS/PVC

R: Stranded Conductor Rigid

Standards: HD 620 S2, TSEK

Technical Data

Max. operating temperature	: 90 °C
Max. short circuit temperature	: 250 °C (max. 5 sec.)
Rated voltage	: 20.3/35 kV 20.8/36 kV
Min. bending radius	: 15 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.

Construction

1. Stranded copper conductors
2. Inner semi conductive layer
3. XLPE insulation
4. Outer semi conductive layer
5. Semi conductive tape
6. Copper screen
7. Filler
8. PVC outer jacket

DIMENSION AND WEIGHTS				ELECTRICAL PROPERTIES				
Nominal Cross Section	Overall Diameter (approx)	Net Weight (approx)	Delivery Length	DC Conductor Resistance at 20 °C Max	Operation Inductance (approx)	Operation Capacitance (approx)	Current Carrying Capacity (A)	
mm ²	mm	kg/km	m	ohm/km	mH/km	µF/km	In ground at 20 °C	In air at 30 °C
3x35/16	73,0	6400	500	0,524	0,471	0,107	-	-
3x50/16	76,5	7150	500	0,387	0,448	0,116	214	210
3x70/16	79,5	8200	500	0,268	0,423	0,127	261	262
3x95/16	83,5	9400	500	0,193	0,401	0,140	313	319
3x120/16	87,5	10700	250	0,153	0,384	0,152	356	364
3x150/25	91,0	12000	250	0,124	0,372	0,161	400	418
3x185/25	95,0	13600	250	0,0991	0,359	0,173	441	478
3x240/25	101,5	16100	250	0,0754	0,341	0,193	510	562
3x300/25	106,5	18550	250	0,0601	0,330	0,208	-	-
3x400/35	114,0	22550	200	0,0470	0,316	0,231	-	-

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
Number of system : 1