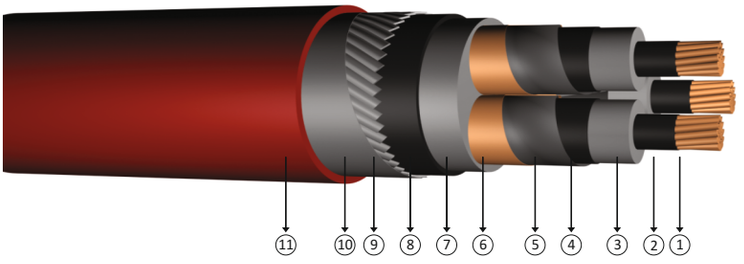
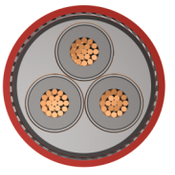
20.3/35 kV or 20.8/36 kV XLPE insulated flat steel wire armoured, three core cables with copper conductor





Code: YXC8VZ3V-R, N2XSEYFGY

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. Inner sheath
9. Galvanized flat steel wire
10. Galvanized steel tape
11. 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	80,0	8750	500	0,524	0,471	0,107	-	-
3x50/16	82,5	9600	500	0,387	0,448	0,116	214	210
3x70/16	86,5	10800	250	0,268	0,423	0,127	261	262
3x95/16	90,5	12200	250	0,193	0,401	0,140	313	319
3x120/16	94,5	13600	250	0,153	0,384	0,152	356	366
3x150/25	98,0	15000	250	0,124	0,372	0,161	400	418
3x185/25	102,5	16800	250	0,0991	0,359	0,173	441	478
3x240/25	109,5	19600	250	0,0754	0,341	0,193	510	562
3x300/25	114,5	22250	200	0,0601	0,330	0,208	-	-
3x400/35	122,0	26600	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