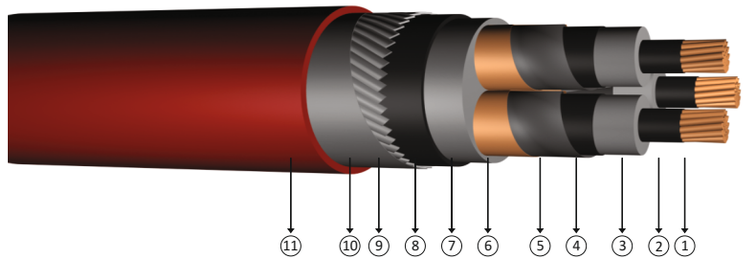
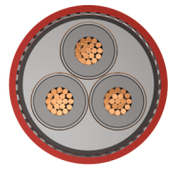
3.6/6 kV XLPE insulated flat steel wire armoured, three core cables with copper conductor





Code: YXC8VZ3V-R, N2XSEYFGY

R: Stranded Conductor Rigid

Standards: IEC 60502 - 2, VDE 0276 - 620

Technical Data

Max. operating temperature	: 90 °C
Max. short circuit temperature	: 250 °C (max. 5 sec.)
Rated voltage	: 3.6/6 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	47,0	3950	1000	0,524	0,352	0,229	176	171
3x50/16	50,5	4700	1000	0,387	0,336	0,255	208	196
3x70/16	54,5	5650	500	0,268	0,318	0,288	255	249
3x95/16	58,5	6750	500	0,193	0,303	0,324	307	307
3x120/16	63,0	8000	500	0,153	0,292	0,359	353	353
3x150/25	66,0	9200	500	0,124	0,284	0,388	396	406
3x185/25	70,0	10650	250	0,0991	0,276	0,424	447	464
3x240/25	77,5	13100	250	0,0754	0,267	0,469	523	548
3x300/25	84,0	15700	250	0,0601	0,263	0,486	581	632
3x400/35	93,0	19750	250	0,0470	0,257	0,521	653	726

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