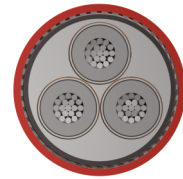
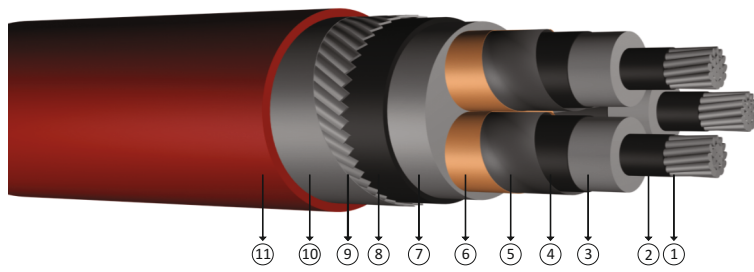


# 18/30 kV or 19/33 kV XLPE insulated flat steel wire armoured, three core cables with aluminium conductor



**Code:** YAXC8VZ3V-R, NA2XSEYFGY

R: Stranded Conductor Rigid

**Standards:** IEC 60502 - 2, VDE 0276 - 620, BS 6622

### Technical Data

Max. operating temperature : 90 °C  
 Max. short circuit temperature : 250 °C (max. 5 sec.)  
 Rated voltage : 18/30 kV  
 : 19/33 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 aluminium conductor
- 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 <sup>2</sup>	mm	kg/km	m	ohm/km	mH/km	µF/km	In ground at 20 °C	In air at 30 °C
3x35/16	73,0	7500	500	0,868	0,397	0,160	-	-
3x50/16	76,0	8200	500	0,641	0,377	0,175	166	164
3x70/16	80,0	9000	500	0,443	0,356	0,196	204	204
3x95/16	84,0	10000	500	0,320	0,339	0,218	244	248
3x120/16	88,0	10800	500	0,253	0,325	0,240	278	284
3x150/25	91,0	11600	500	0,206	0,315	0,258	312	326
3x185/25	95,0	12800	250	0,164	0,305	0,280	343	374
3x240/25	101,0	14500	250	0,125	0,292	0,315	398	440
3x300/25	106,0	15900	250	0,100	0,284	0,343	476	513
3x400/35	113,0	18200	250	0,0778	0,273	0,385	542	583

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