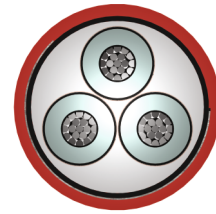
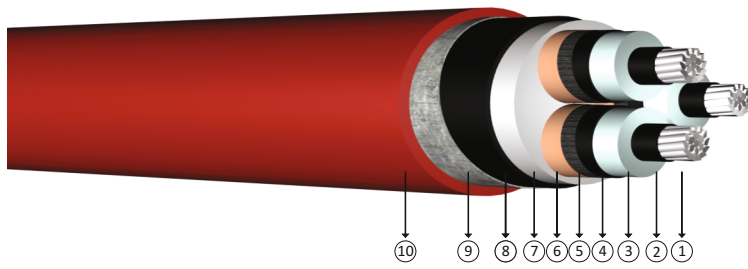




## 18/30 kV or 19/33 kV XLPE insulated double steel tape armoured, three core cables with aluminium conductor



**Code:** YAXC8VZ4V-R, NA2XSEYBY, AL/XLPE/CTS/PVC/STA/PVC

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    4 Outer semi conductive layer    7 Filler    10 PVC outer jacket
- 2 Inner semi conductive layer    5 Semi conductive tape    8 Inner sheath
- 3 XLPE insulation    6 Copper screen    9 Galvanized steel tape

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	7334	500	0,8680	0,457	0,114	-	-
3x50/16	75,9	7941	500	0,6410	0,434	0,124	166	164
3x70/16	80,1	8819	500	0,4430	0,410	0,137	204	204
3x95/16	85,3	10719	500	0,3200	0,389	0,150	244	248
3x120/16	88,8	11597	250	0,2530	0,372	0,163	278	284
3x150/25	92,2	12481	250	0,2060	0,360	0,174	312	326
3x185/25	96,2	13600	250	0,1640	0,348	0,188	343	374
3x240/25	102,4	15406	250	0,1250	0,331	0,209	398	440
3x300/25	106,8	16833	250	0,1000	0,321	0,226	-	-
3x400/35	114,5	19304	250	0,0778	0,307	0,251	-	-

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